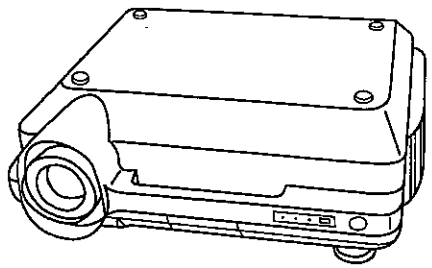
SHARP SERVICE MANUAL
SERVICE-ANLEITUNG
维修手册

S96Q8XG3910E/

SECAM/PAL/NTSC SYSTEM
LCD PROJECTOR
LCD PROJEKTOR
液晶投影机



MODELS
MODELLE
型号

XG-3910E
XV-3410S

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

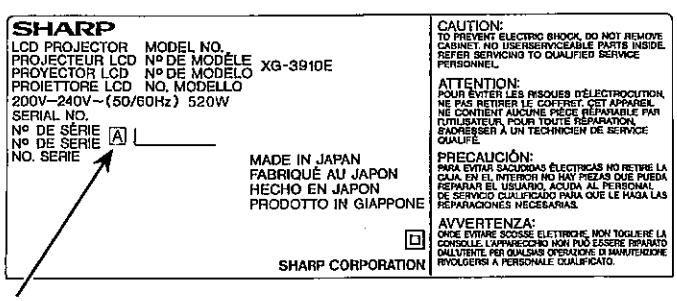
Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

为了用户安全起见(根据一些国家的安全规程的需要)，应将液晶投影机保持于最初的状态，而且只能使用与指定物相同的部件。

The XG-3910E has another version with the suffix [A] at the end of this model number. Some component parts are different between the XG-3910E and XG-3910E [A].
In servicing these models, be sure to check the model number label at the back of the unit. In this Service Manual, these models are shown with and withouot the suffix [A].

Beim XG-3910E gibt es eine andere Version mit dem Zusatzkennzeichen [A] am Ende dieser Modellnummer. Einige Bauteile unterscheiden sich bei den Modellen XG-3910E und XG-3910E [A].
Bei der Wartung dieser Modelle ist daher sicherzustellen, daß das Modellnummer-Etikett an der Geräterückseite gelesen wird.
In dieser Wartungsanleitung werden diese Modelle mit und ohne dem Zusatzkennzeichen [A] dargestellt.

型号XG-3910E根据尾标的有无，其结构零件的一部分稍有差异。在进行保养维修时，必须检查确认在装置背面贴有型号标签上有无加添尾标。
本维修手册中附有 [A] 尾标的型号以XG-3910E[A]为区别。


SHARP
LCD PROJECTOR MODEL NO.
PROJECTEUR LCD Nº DE MODÈLE XG-3910E
PROYECTOR LCD Nº DE MODELO
PROIETTORE LCD NO. MODELLO
200V–240V~(50/60Hz) 520W
SERIAL NO.
Nº DE SÉRIE [A]
Nº DE SERIE
NO. SERIE
MADE IN JAPAN
FABRIQUÉ AU JAPON
HECHO EN JAPON
PRODOTTO IN GIAPPONE
SHARP CORPORATION
CAUTION:
TO PREVENT ELECTRIC SHOCK, DO NOT REMOVE CABINET. NO USERSERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
ATTENTION:
POUR ÉVITER LES RISQUES D'ÉLECTROCUTION, NE PAS RETIRER LE COFFRET. CET APPAREIL NE CONTIENT AUCUNE PIÈCE RÉPARABLE PAR L'UTILISATEUR. POUR TOUTE RÉPARATION, S'ADRESSER À UN TECHNICIEN DE SERVICE QUALIFIÉ.
PRECAUCIÓN:
PARA EVITAR SACUDIDAS ELÉCTRICAS NO RETIRE LA CAJA. EN EL INTERIOR NO HAY PIEZAS QUE PUEDA REPARAR EL USUARIO. ACUDA AL PERSONAL DE SERVICIO CUALIFICADO PARA QUE LE HAGA LAS REPARACIONES NECESARIAS.
AVVERTENZA:
ONDE EVITARE SCOSSE ELETTRICHE, NON TOGLIERE LA CONSOLLE. L'APPARECCHIO NON PUÒ ESSERE RIPARATO DALL'UTENTE. PER QUALSIAS OPERAZIONE DI MANUTENZIONE RIVOLGERSI A PERSONALE QUALIFICATO.

Suffix symbol / Zusatzkennzeichen / 尾标

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NOTE TO SERVICE PERSONNEL

UV-RADIATION PRECAUTION

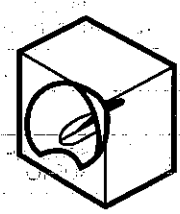
The light source, metal halide lamp, in the LCD projector emits small amounts of UV-Radiation.

AVOID DIRECT EYE AND SKIN EXPOSURE.

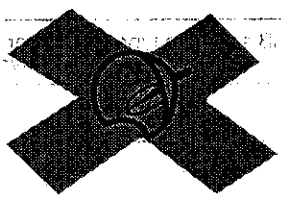
To ensure safety please adhere to the following:

1. Be sure to wear sun-glasses when servicing the projector with the lamp turned "on" and the top enclosure removed.

2. Do not operate the lamp outside of the lamp housing.



3. Do not operate for more than 2 hours with the enclosure removed.



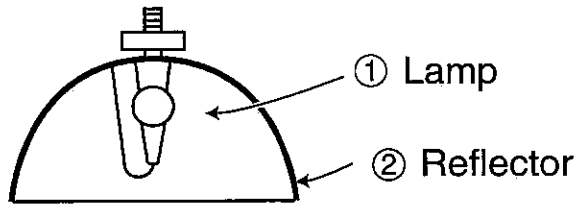
UV-Radiation and Medium Pressure Lamp Precautions

1. Be sure to disconnect the AC plug when replacing the lamp.
2. Allow one hour for the unit to cool down before servicing.
3. XG-3910E/E[A]:
   Replace only with same type lamp. Type CLMPF0041DE01 rated 75V/400W.
3. XV-3410S:
   Replace only with same type lamp. Type CLMPF0034DE07 rated 65V/350W.
4. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
5. The medium pressure lamp involves a risk of explosion. Be sure to follow installation instructions described below and handle the lamp with care.

■ Lamp Replacement

Note:

Since the lamp reaches a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off. (to allow the lamp to cool off.)
Installing the new lamp, make sure not to touch the lamp (bulb) replace the lamp by holding its reflector ②.
[Use original replacement only.]



DANGER ! — Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages at its start.

Since small amounts of UV-Radiation are emitted from an opening between the duct cover and the lamp housing, it is recommended to place the LENS CAP on the opening during servicing to avoid eye and skin exposurem (Fig. 1).

Note: Please obtain a lens cap before servicing a models XG-3910E/E[A] and XV-3410S that is received without one.

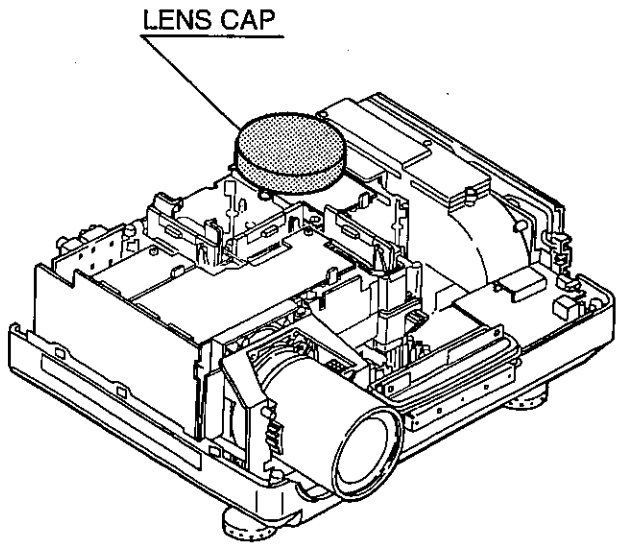


Figure 1.

Specifications

Models XG-3910E/EA

Product Type		LCD Projector
Model		XG-3910E
System		PAL/SECAM/NTSC 3.58/NTSC 4.43
Display method		LCD panels × 3, RGB optical shutter method
LCD panels	Panel size	3"(4.5(H) × 6.2(W) cm)
	Display method	Translucent TN liquid crystal panels
	Drive method	TFT (Thin Film Transistor) Active Matrix panels
	No. of pixels	309,120 dots × 3 panels
Lens		1-1.6 zoom lens, F3.4-4.2, f=101-160 mm
Projection lamp		400 W Metal halide
Contrast ratio		100:1
Video input signal		BNC Connector: VIDEO, composite video, 1Vp-p, sync negative, 75Ω terminated RCA Connector: AUDIO, 142 mVrms, more than 47kΩ (stereo)
S-video input signal		4-pin mini DIN connector Y (luminance signal): 1 Vp-p, sync negative, 75Ω terminated C (chrominance signal): burst 0.286 Vp-p, 75Ω terminated
Video (monitor) output signal		BNC Connector: VIDEO, composite video 1Vp-p, sync negative, 75Ω terminated RCA Connector: AUDIO, 142 mVrms, more than 47kΩ (stereo)
Horizontal resolution		500 TV lines (video input)
Audio output		3W (monaural)
Computer RGB input signal	Video signal	15 pin mini D-sub connector: RGB separate type analog input: 0–0.7Vp-p, positive, 75Ω terminated Stereo Minijack: AUDIO, 142m Vrms, more than 47 kΩ (stereo)
	Horizontal sync. signal	TTL level (positive/negative) or composite sync (Apple only)
	Vertical sync. signal	
RGB video input signal	Video signal	BNC Connector: RGB separate type Analog input: 0~0.7Vp-p, positive, 75Ω terminated Stereo Minijack: AUDIO, 142 mVrms, more than 47kΩ (stereo)
	Composite sync. signal	TTL levels
Speaker system		3"(8 cm) round
Rated voltage		AC 200 - 240V
Rated frequency		50/60 Hz
Power consumption		520W
Operating temperature		5°C to 40°C
Storage temperature		−20°C to 55°C
Cabinet		Plastic
Dimensions (WxDxH)		550 × 470 × 230 mm projector only 550 × 537 × 230 mm incl. terminal cover
Weight		15,4 kg projector only, 15,7 kg incl. terminal cover
Supplied accessories		Remote control unit, four AA batteries, lens cover (installed), terminal cover, VGA signal cable, Mac/VGA adaptor, two BNC/RCA adaptors, extra air filter, inverting labels, High-Mount dust cover, four cord wrap pegs
Replacement parts		Remote control, Air filter, VGA cable, Mac/VGA adaptor, (XG-3910EA: AC plug adaptor)

Our projector uses LCD (Liquid Crystal Display) panels. These very sophisticated panels contain 309,120 pixel (xRGB) TFTs. (Thin Film Transistors). As with any high technology electronic equipment such as large screen TVs, video systems and/or video cameras, there are certain acceptable tolerances that the equipment must conform to.

Sharp's acceptable tolerances permit a total of six (6) inactive TFTs, which may result in illuminated dots on the picture screen.

This will not affect the picture quality or the life expectancy of the unit.

*Specifications are subject to change without notice.

Specifications

Model XV-3410S

Product Type		LCD Projector
Model		XV-3410S
System		PAL/SECAM/NTSC 3.58/NTSC 4.43
Display method		LCD panels × 3, RGB optical shutter method
LCD panels	Panel size	3" (4.5(H) × 6.2(W) cm)
	Display method	Translucent TN liquid crystal panels
	Drive method	TFT (Thin Film Transistor) Active Matrix panels
	No. of pixels	309,120 dots × 3 panels
Lens		1-1.6 zoom lens, F3.4-4.2, f=101-160 mm
Projection lamp		350 W Metal halide
Contrast ratio		100:1
Video input signal		BNC Connector: VIDEO, composite video, 1Vp-p, sync negative, 75Ω terminated RCA Connector: AUDIO, 142 mVrms, more than 47kΩ (stereo)
S-video input signal		4-pin mini DIN connector Y (luminance signal): 1 Vp-p, sync negative, 75Ω terminated C (chrominance signal): burst 0.286 Vp-p, 75Ω terminated
Video (monitor) output signal		BNC Connector: VIDEO, composite video 1Vp-p, sync negative, 75Ω terminated RCA Connector: AUDIO, 142 mVrms, more than 47kΩ (stereo)
Horizontal resolution		500 TV lines (video input)
Audio output		3W (monaural)
RGB video input signal	Video signal	BNC Connector: RGB separate type Analog input: 0~0.7Vp-p, positive, 75Ω terminated Stereo Minijack: AUDIO, 142 mVrms, more than 47kΩ (stereo)
	Composite sync. signal	TTL levels
Speaker system		3" (8 cm) round
Rated voltage		AC 200 - 240V
Rated frequency		50/60 Hz
Power consumption		445W
Operating temperature		5°C to 40°C
Storage temperature		– 20°C to 55°C
Cabinet		Plastic
Dimensions (WxDxH)		550 × 470 × 230 mm projector only 550 × 537 × 230 mm incl. terminal cover
Weight		14.8 kg projector only. 15.1 kg incl. terminal cover
Supplied accessories		Remote control unit, two AAA batteries, lens cover (installed), terminal cover, two BNC/RCA adaptors, extra air filter, inverting labels, High-Mount dust cover, four cord wrap pegs
Replacement parts		Remote control, Air filter

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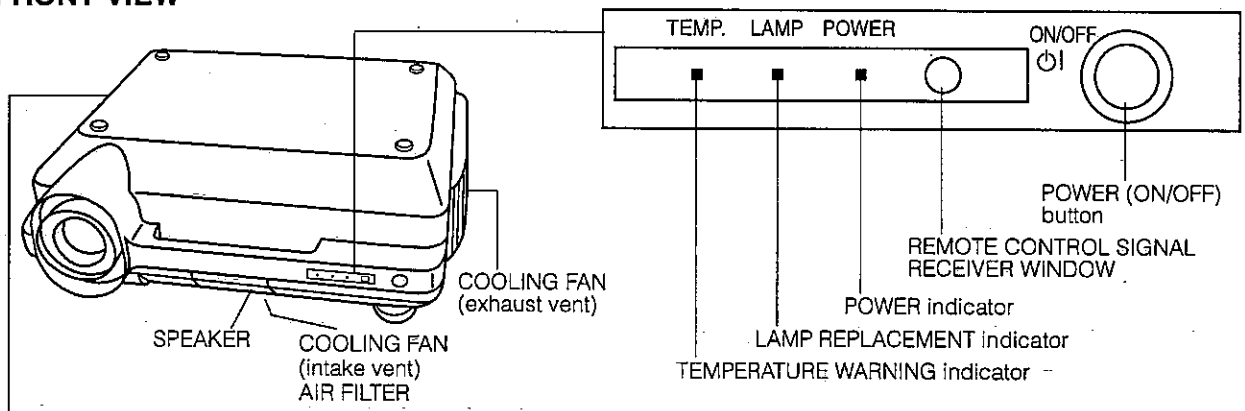
Location of Controls

Models XG-3910E/EA

FRONT VIEW



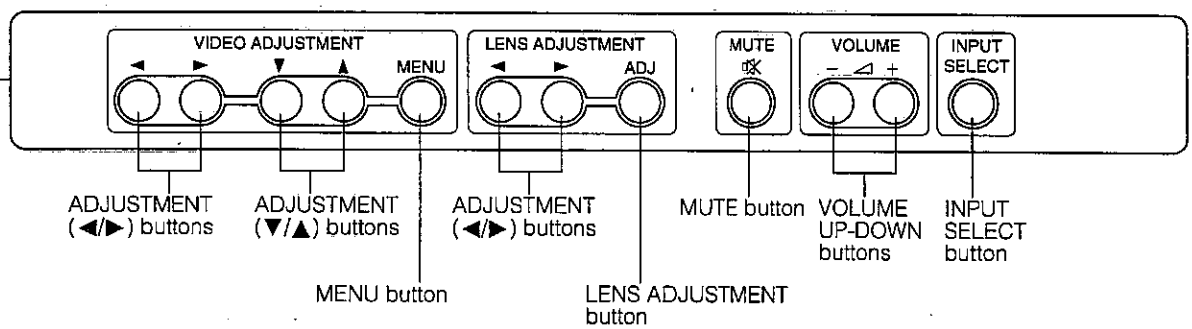
CAUTIONS:

- Allow at least 10 cm of space between the cooling fan (exhaust vent) and the wall.
- If the cooling fan becomes obstructed, a protection device will automatically turn off the projector lamp. This does not indicate a malfunction. Remove the projector plug from the wall outlet and wait 10 minutes. Then turn on the power by plugging the cord back in. This will return the projector to its normal mode.

OPERATION PANEL ON SIDE OF PROJECTOR

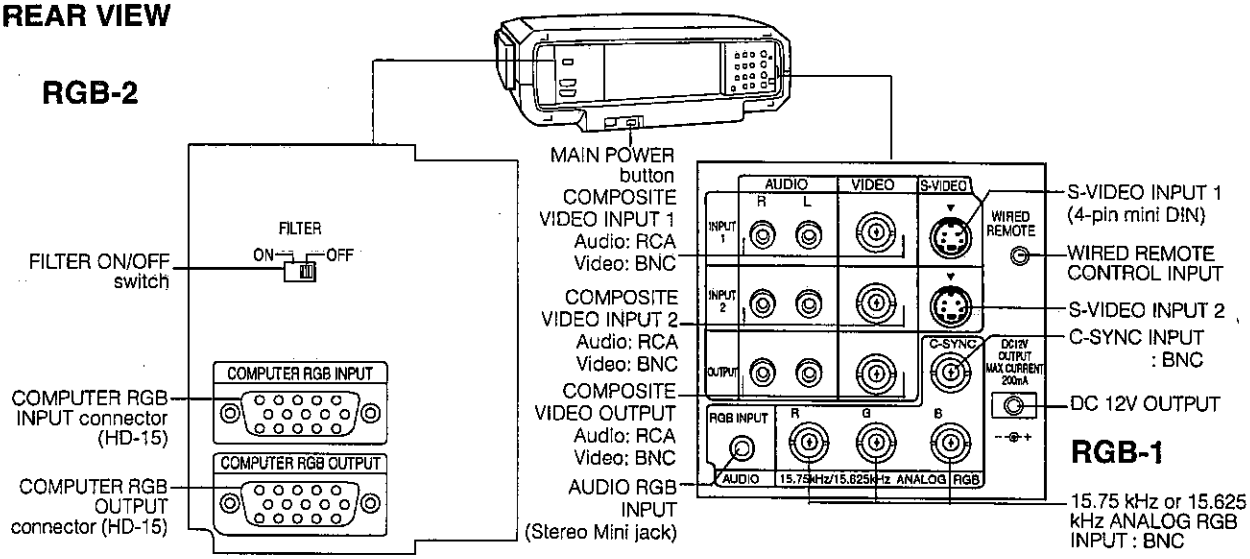
Phosphorescent Display

The operation controls on the right side use a phosphorescent display for easy viewing. When exposed to surrounding light, the phosphorescent display will glow in the dark.
(Glow ratio)
When exposed to sunlight or other light of 500 lux or more for about 10 minutes, the display will glow for about 1 hour.
(**Note:** 500 lux = 1-1.5m directly under a 40W fluorescent light.)



REAR VIEW

RGB-2



RGB-1

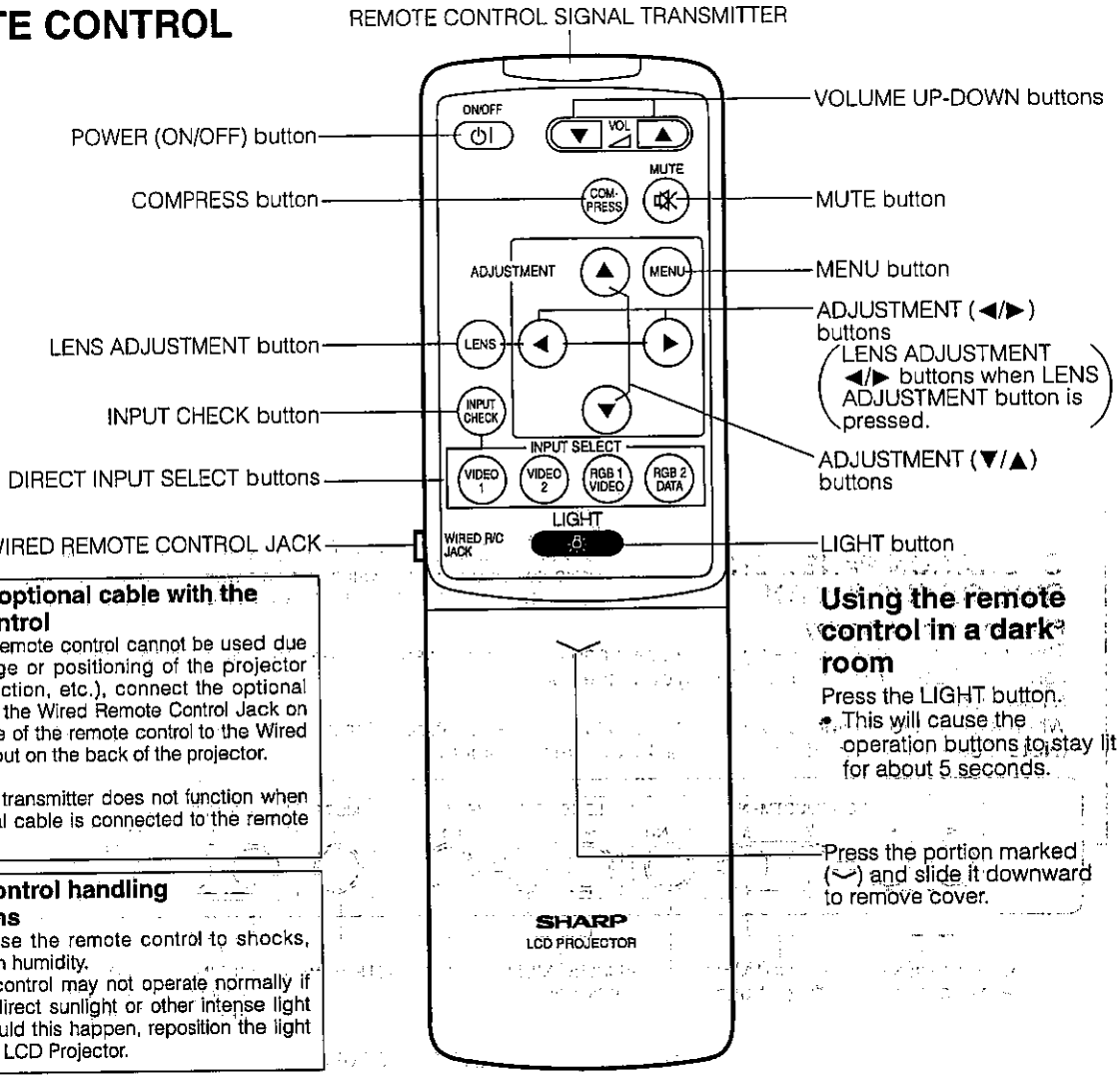
Note:

- If a current of 200mA or more is drawn from the DC 12V OUTPUT jack, a protection device will automatically turn off the projector and leave it in Stand-by mode.

Remote Control Operation

Models XG-3910E/EA

REMOTE CONTROL



Using the optional cable with the remote control

- When the remote control cannot be used due to the range or positioning of the projector (rear projection, etc.), connect the optional cable from the Wired Remote Control Jack on the left side of the remote control to the Wired Remote Input on the back of the projector.

Note:

- The signal transmitter does not function when the optional cable is connected to the remote control.

Remote control handling precautions

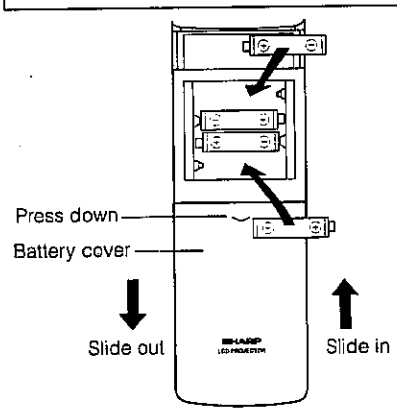
Do not expose the remote control to shocks, liquids or high humidity.
The remote control may not operate normally if exposed to direct sunlight or other intense light sources. Should this happen, reposition the light source or the LCD Projector.

Using the remote control in a dark room

Press the LIGHT button.

- This will cause the operation buttons to stay lit for about 5 seconds.

Press the portion marked (⌣) and slide it downward to remove cover.



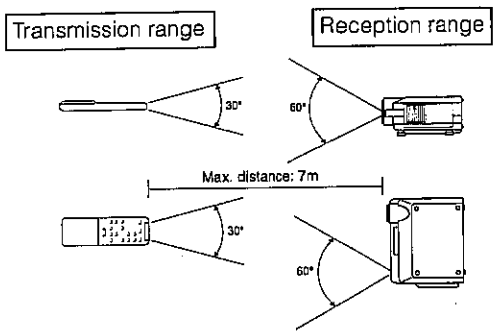
Inserting the Batteries

Remove the battery cover as shown and insert four AA size batteries making sure the polarity matches the (+) and (–) marks inside the battery compartment.

Notes:

Incorrect use of batteries may cause them to leak or burst.

- Insert the batteries with the (+) and (–) polarities as indicated.
- Remove the batteries if the remote control will not be operated for an extended period of time.
- Maintain the batteries in clean condition.
- Do not mix different brands of batteries. The life expectancy of the new batteries will be shortened and the old batteries may leak.
- When the batteries have been used up, remove them immediately to prevent leakage and damage. Leaked battery fluid may irritate the skin. Remove any battery fluid by wiping with a cloth.
- Due to storage conditions and the shelf life of the supplied batteries, they may run out after a short time. Replace them with new batteries as soon as possible.



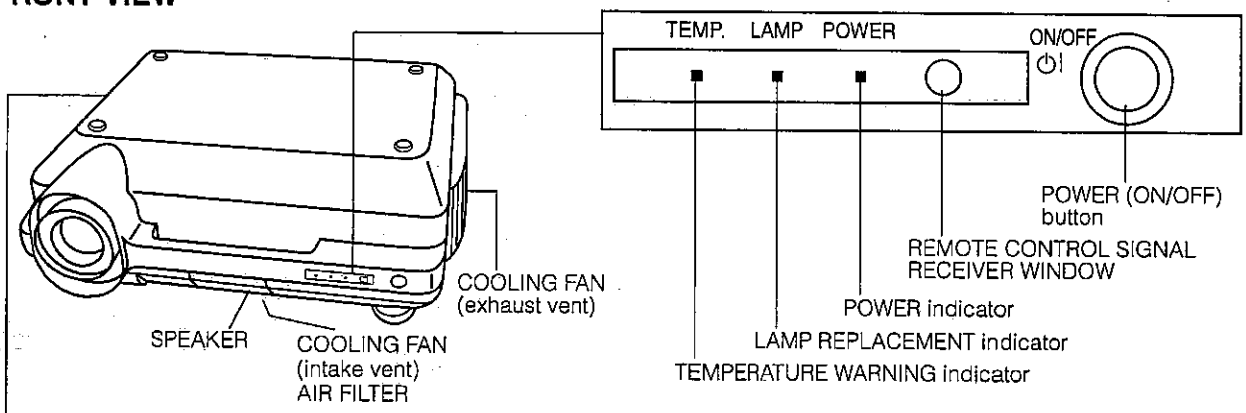
Remote control positioning

Use the remote control as shown in the figures on the left.

Location of Controls

Model XV-3410S

FRONT VIEW



CAUTIONS:

- Allow at least 10 cm of space between the cooling fan (exhaust vent) and the wall.
- If the cooling fan becomes obstructed, a protection device will automatically turn off the projector lamp. This does not indicate a malfunction. Remove the projector plug from the wall outlet and wait 10 minutes. Then turn on the power by plugging the cord back in. This will return the projector to its normal mode.

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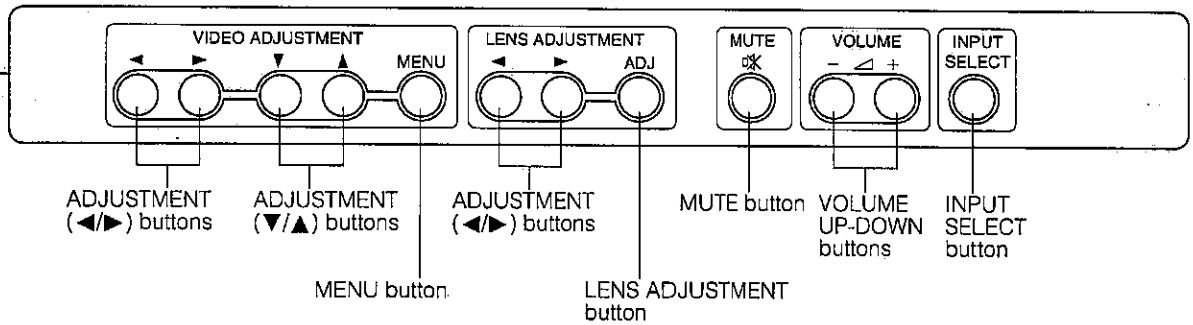
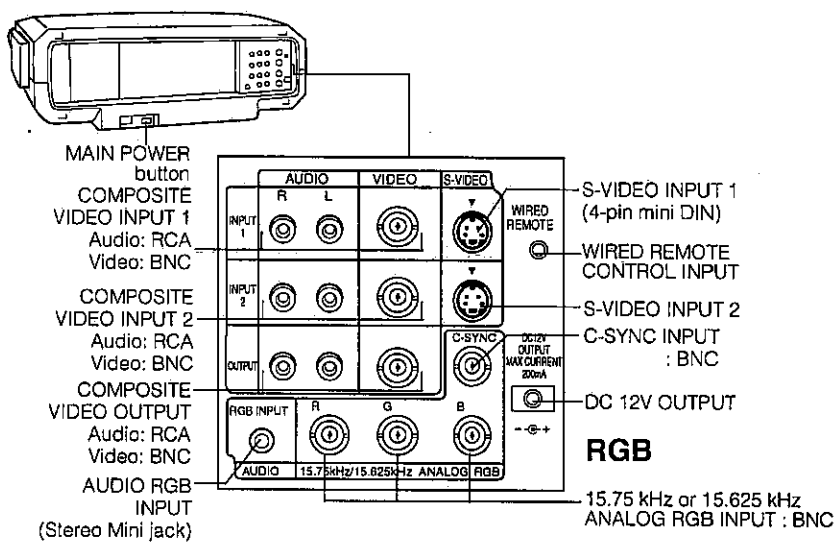


REAR VIEW



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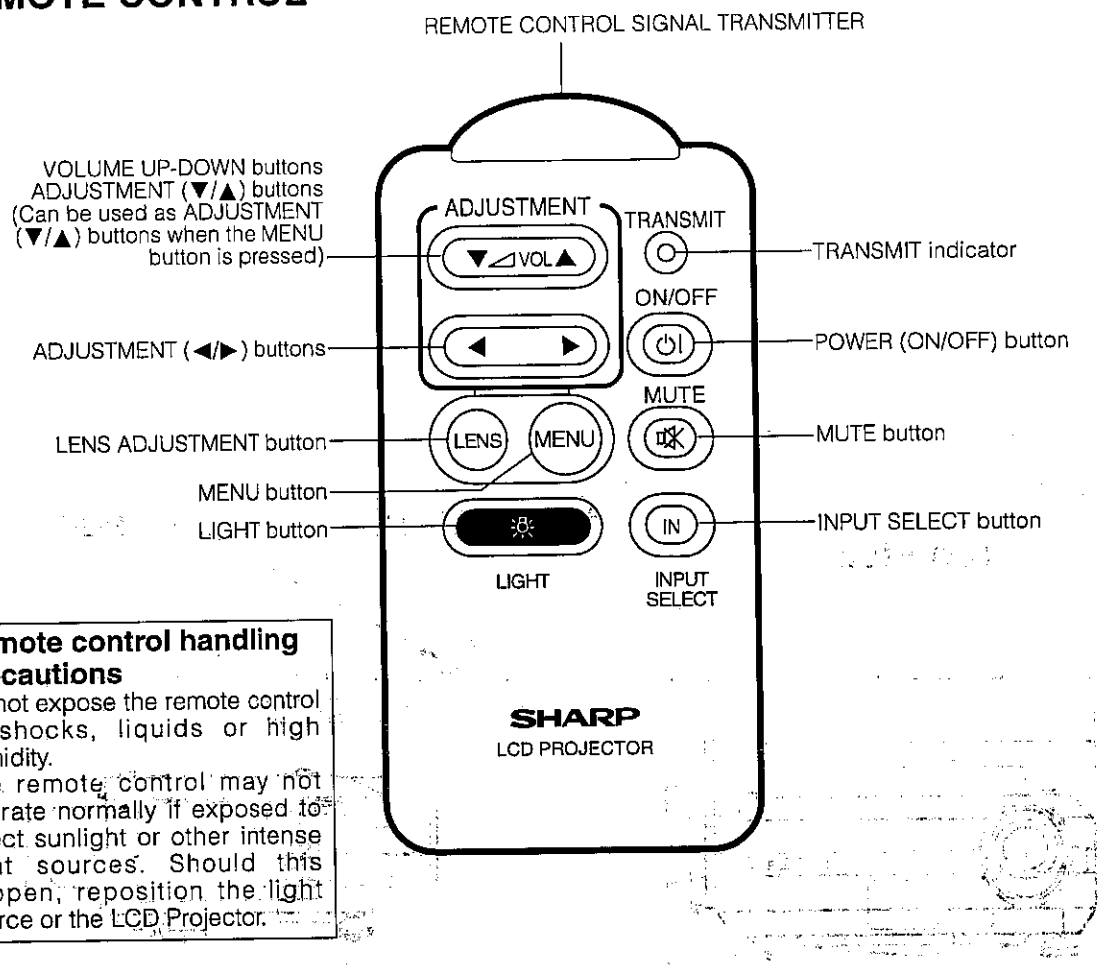
Remote Control Operation

Model XV-3410S

REMOTE CONTROL



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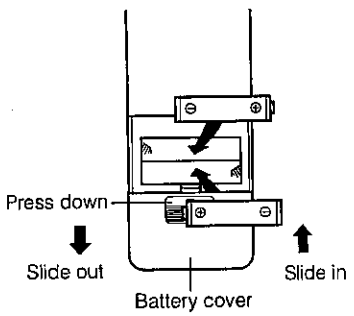

Inserting the Batteries

Remove the battery cover as shown and insert two AAA size batteries making sure the polarity matches the (+) and (−) marks inside the battery compartment.

Notes:

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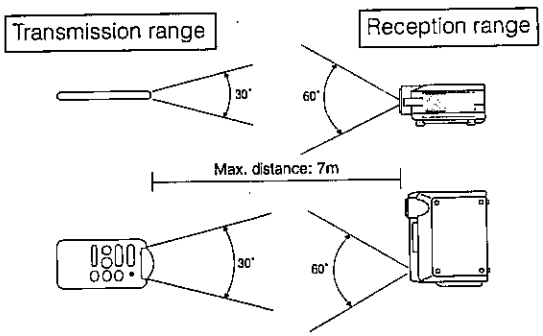
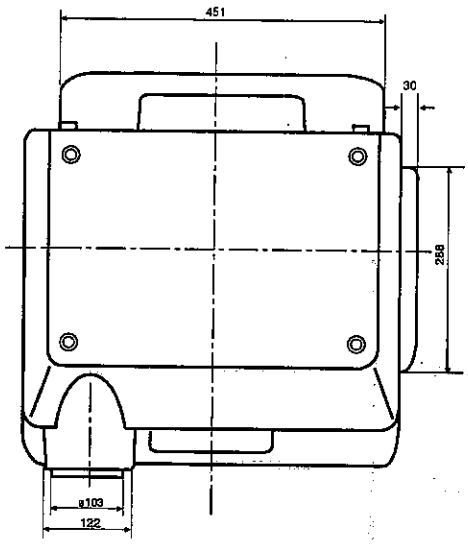
- Insert the batteries with the (+) and (−) polarities as indicated.
- Remove the batteries if the remote control will not be operated for an extended period of time.
- Maintain the batteries in clean condition.
- Do not mix different brands of batteries. The life expectancy of the new batteries will be shortened and the old batteries may leak.
- When the batteries have been used up, remove them immediately to prevent leakage and damage. Leaked battery fluid may irritate the skin. Remove any battery fluid by wiping with a cloth.
- Due to storage conditions and the shelf life of the supplied batteries, they may run out after a short time. Replace them with new batteries as soon as possible.



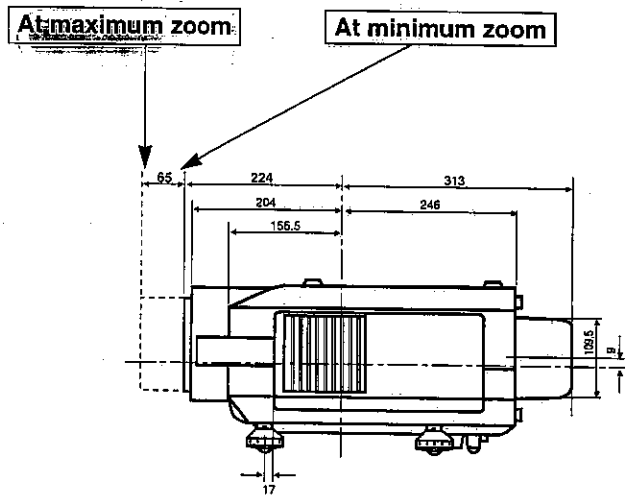
Remote control positioning

Use the remote control as shown in the figures on the left.

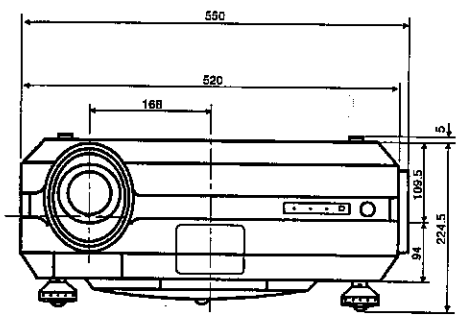
Dimensions



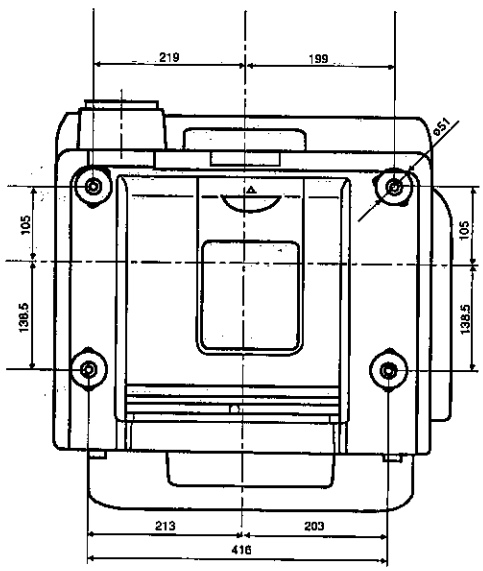
Top View



Side View



Front View



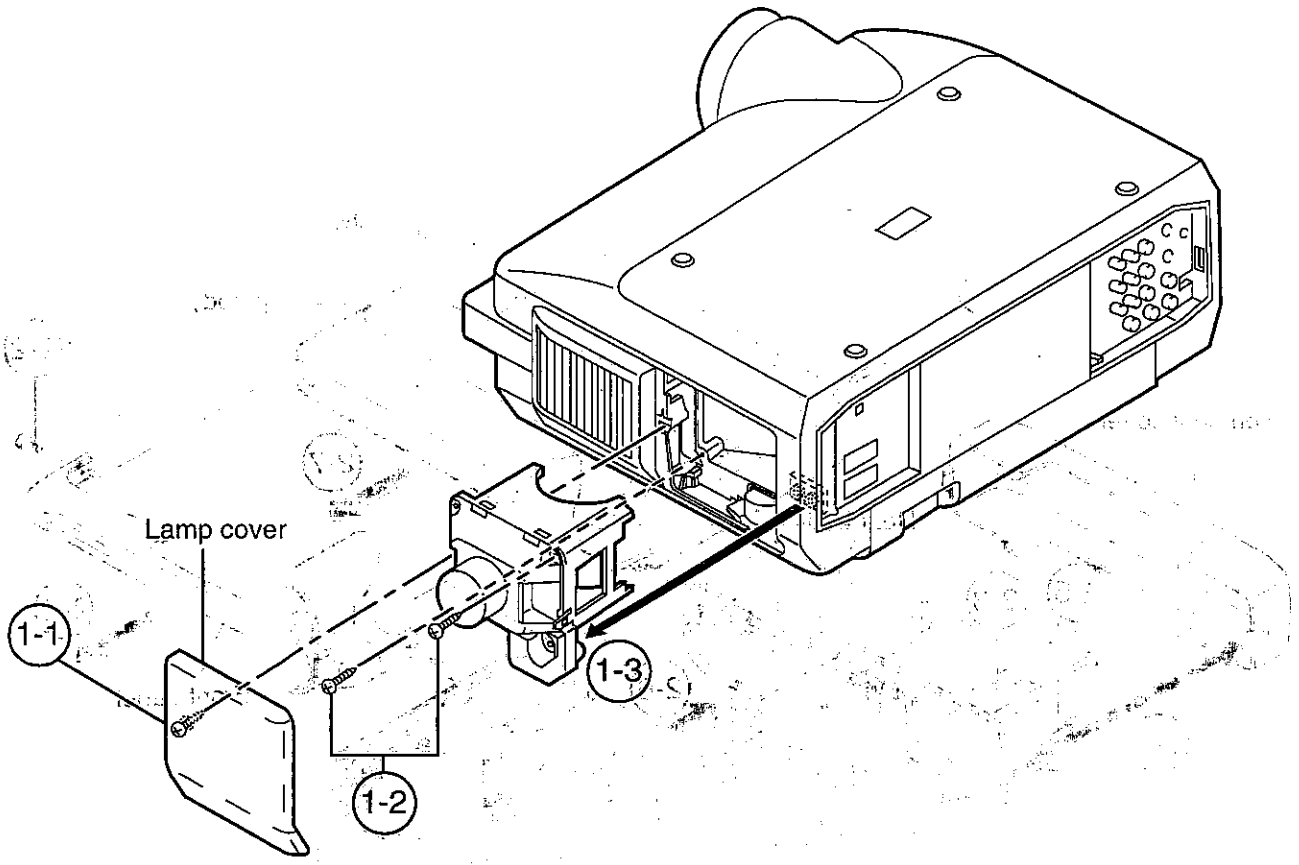
Bottom View

[Units: mm]

REMOVAL OF MAJOR COMPONENTS

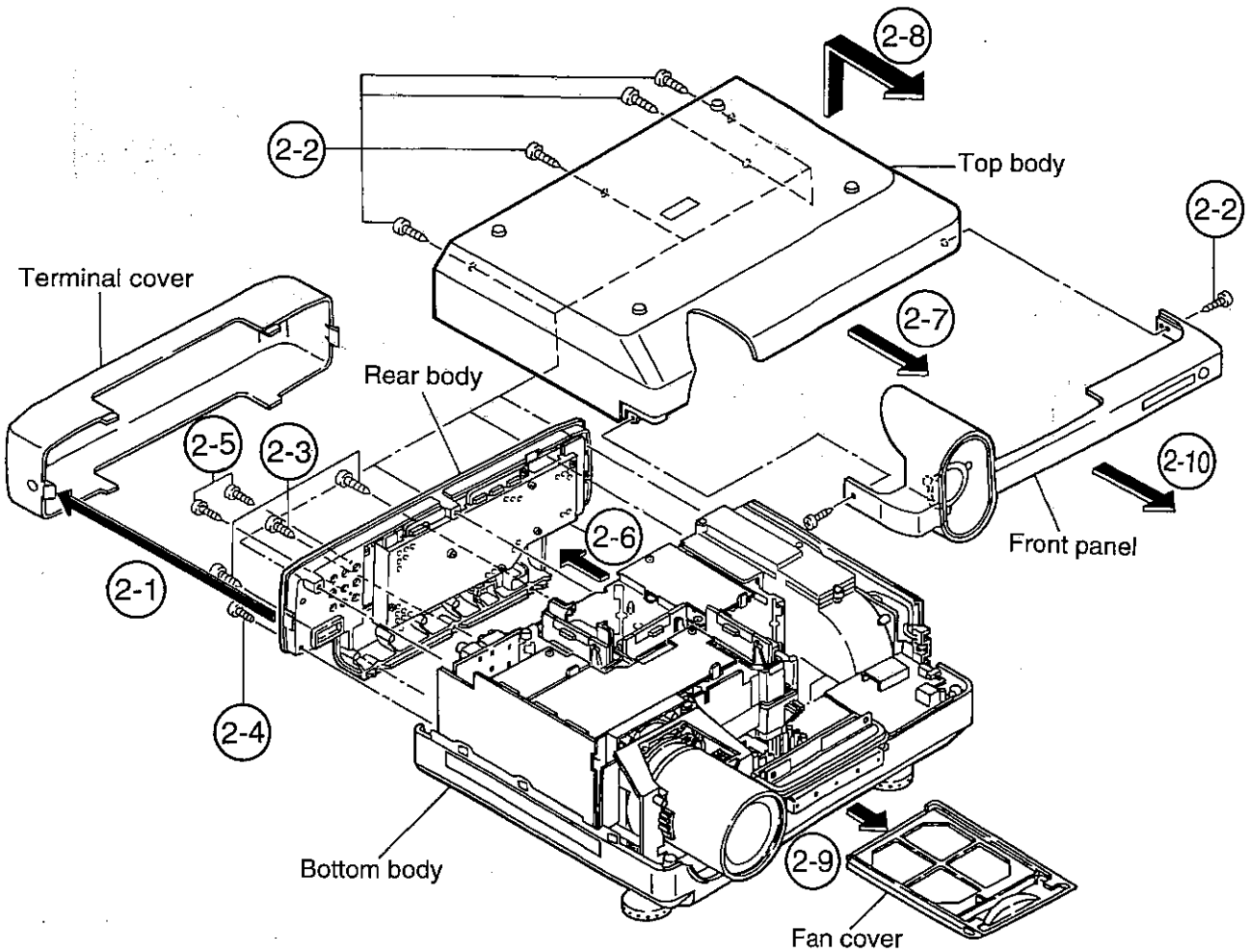
1. Removing the lamp unit

1-1. Remove the screw off the lamp cover and detach the cover.
1-2. Remove the two screws off the lamp unit.
1-3. Draw out the lamp unit.



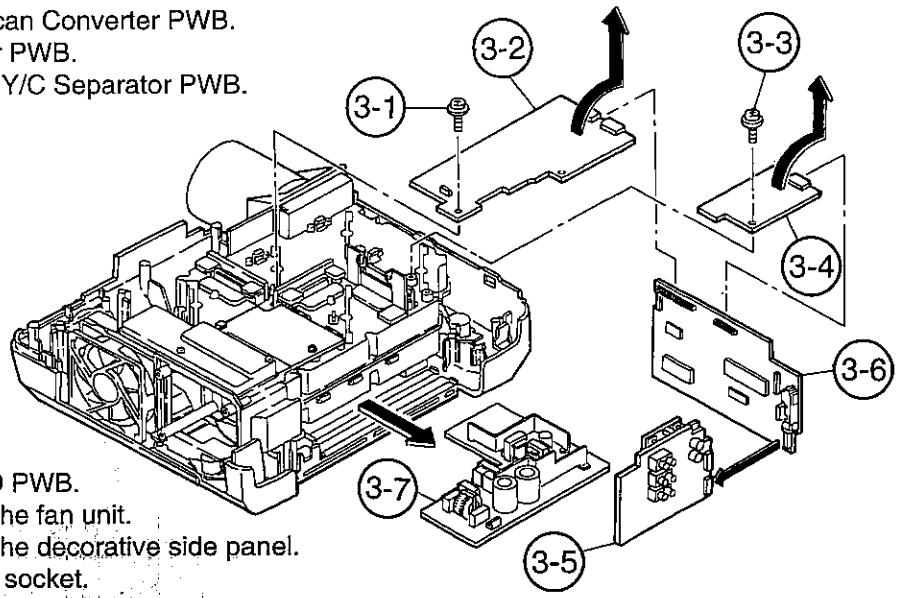
2. Removing the top and bottom body as well as the fan cover.

2-1. Undo the hooks at both ends of the Terminal cover.
2-2. Remove the six screws off the top body.
2-3. Remove the three screws off the rear body.
2-4. Remove the screw off the rear body.
2-5. Remove the two screws off the input PWB.
2-6. Detach the rear body.(The XV-3410S is not equipped with the PC interface unit.)
2-7. Slide the top body about 10 mm forward.
2-8. Holding up its back about 30 mm high, push the top body forward of f position.
2-9. Detach the fan cover.
2-10. Detach the front Panel.



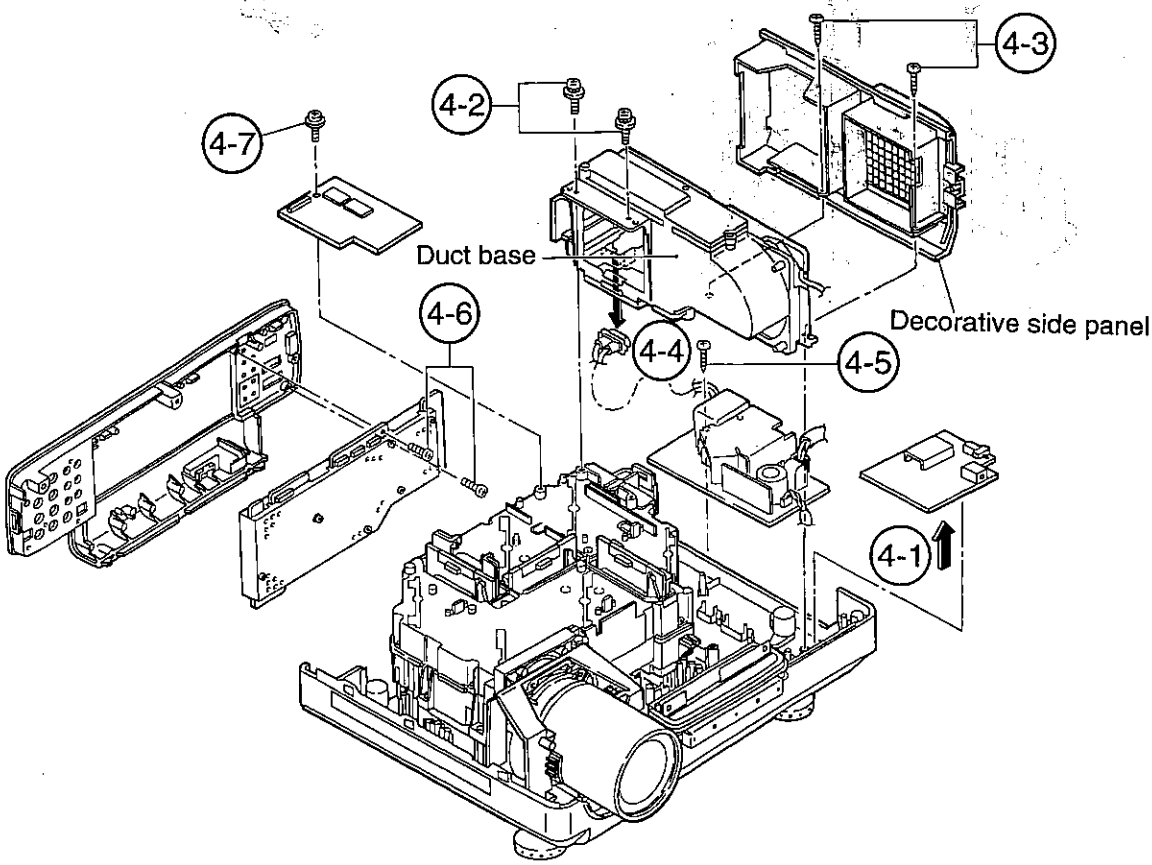
3. Removing the Main and Sub PWBs

3-1. Remove the screw off the Control PWB.
3-2. Take out the Control PWB.
3-3. Remove the screw off the Scan Converter PWB.
3-4. Take out the Scan Converter PWB.
3-5. Take out the input PWB and Y/C Separator PWB.
3-6. Take out the Main PWB.
3-7. Take out the Power PWB.



4. Removing the PWBs

4-1. Take out the Audio Amp/LED PWB.
4-2. Remove the two screws off the fan unit.
4-3. Remove the two screws off the decorative side panel.
4-4. Disconnect the Ballast PWB socket.
4-5. Remove the screw to take out the Ballast PWB.
4-6. Remove the two screws that secure the PC I/F unit. Take out the unit.
(Only for models XG-3910E/E[A])
4-7. Remove the screw off the VGA amplifier unit. Take out the unit.
(Only for models XG-3910E/E[A])

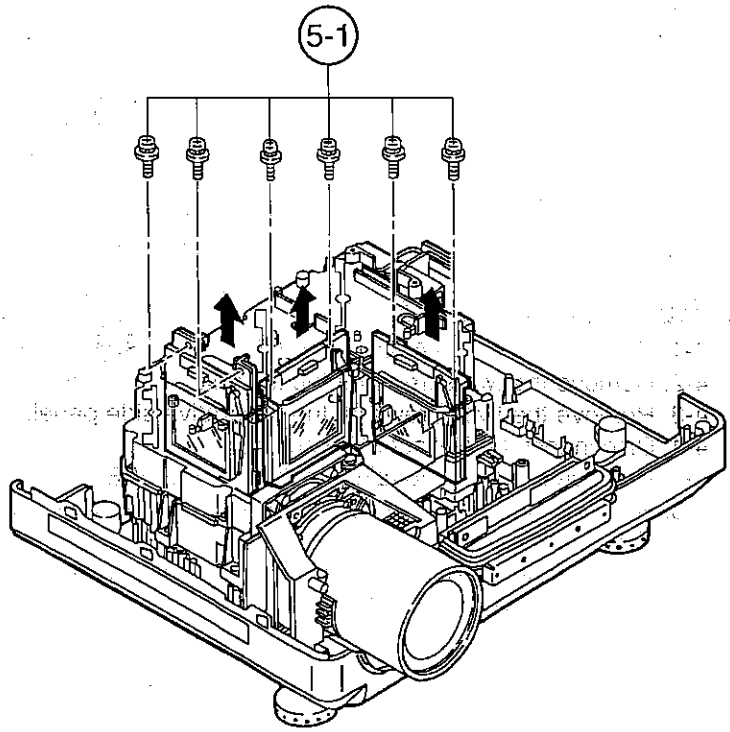


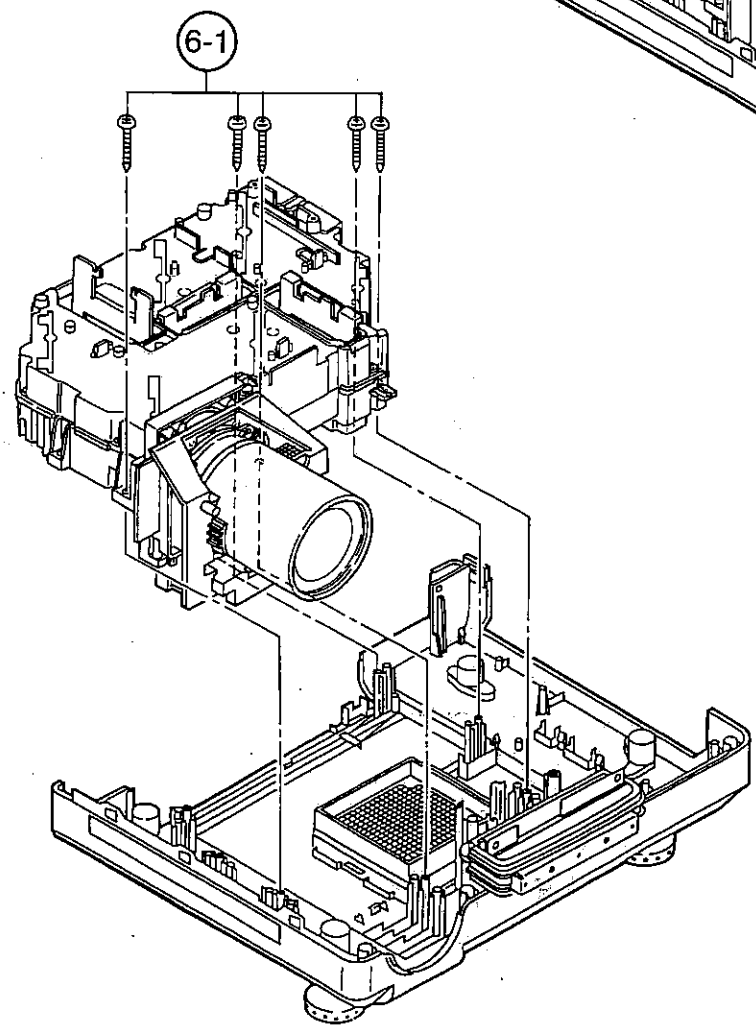
5. Replacing the LCD panels

5-1. Remove the screws, two each from the R, G and B LCD panels, and take out the panels.

6. Taking out the optical mechanism

6-1. Remove the five screws off the optical mechanism, and detach the mechanism.

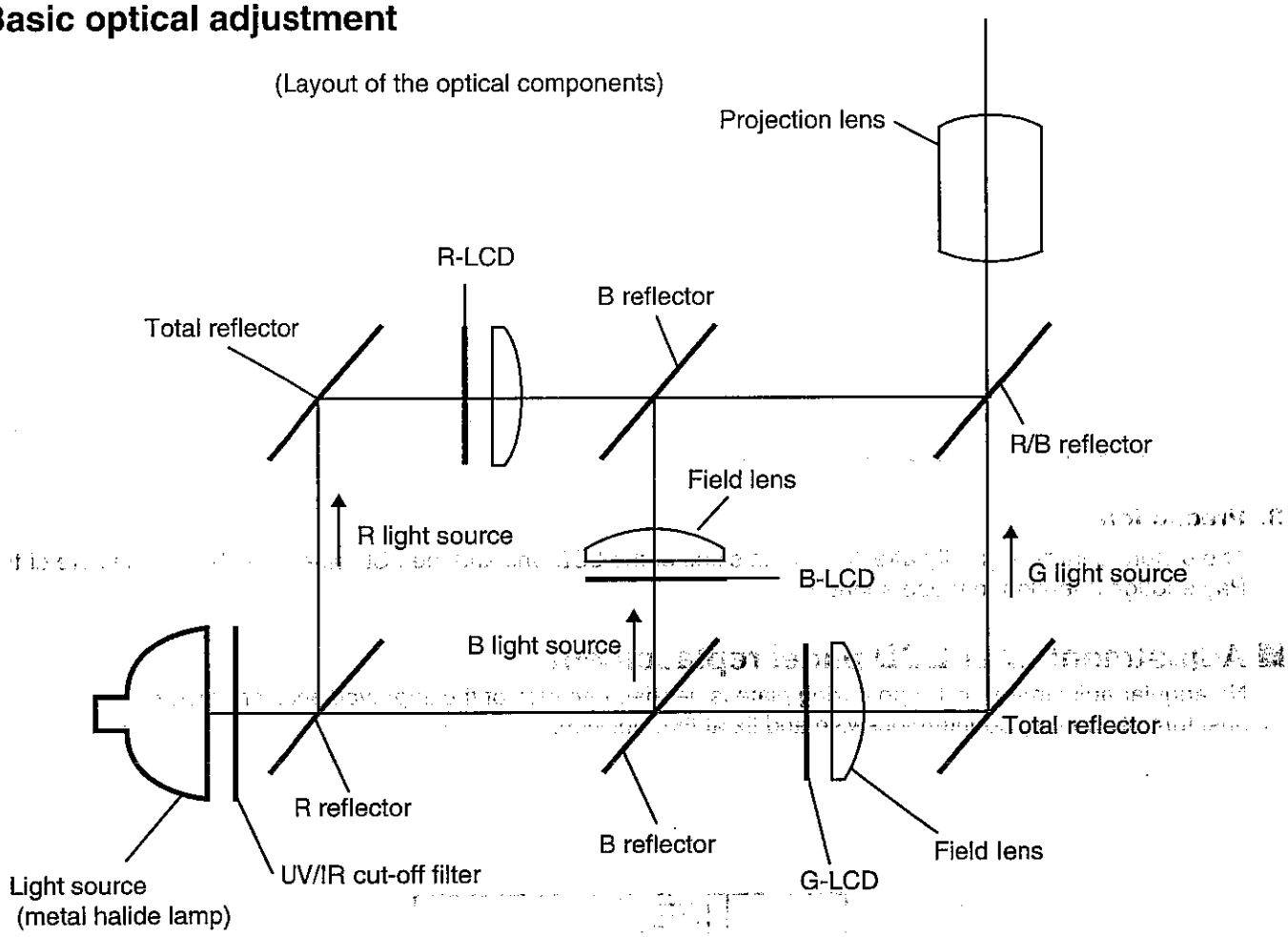




THE OPTICAL UNIT OUTLINE

Basic optical adjustment

(Layout of the optical components)



1. Optical axis alignment

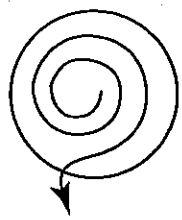
The adjustment-free optical unit requires no optical axis alignment. (It is impossible to make this adjustment.)

2. LCD alignment

R: R-LCD unit – Field lens – R/B reflector – Projection lens
G: R-LCD unit – Field lens – Total reflector – Projection lens
B: R-LCD unit – Field lens – B reflector – R/B reflector – Projection lens
Each of the LCD units can be adjusted to improve the view angle and focusing.

■ Cleaning the lenses and reflectors

1. Lens cleaning



- agent:
  Change the mixture ratio of alcohol and ether depending on ambient temperatures. Make sure that the liquid evaporates from the lens surface immediately after you rub it: This is the best ratio. The more ether is used, the quicker the liquid evaporates.
- Method:
  Use well-washed bleached cotton or cleaning paper available on the market. Hold the lens, sandwiched in the bleached cotton damped with liquid, with the thumb and the index finger. Turn the lens and wipe the surface clean from the center outward to collect dust. Be careful not to rub the coated surface too strong.

2. Reflector cleaning

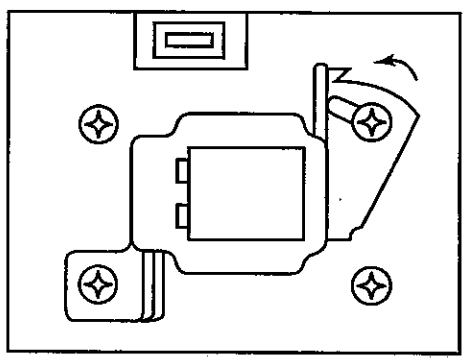
Never rub the reflector strongly because its surface has been deposit-coated. Use some alcohol first and then wipe with dry cloth if the surface is slightly dirty.

3. Precaution

The picture quality is greatly affected if both sides of the LCD unit and the LCD side of the field lenses are dirty. Pay enough attention to these surface.

■ Adjustment after LCD panel replacement

No angular adjustment of the polarizing plate is needed because of the improved angular precision. Just turn all the way counterclockwise and fix at that position.



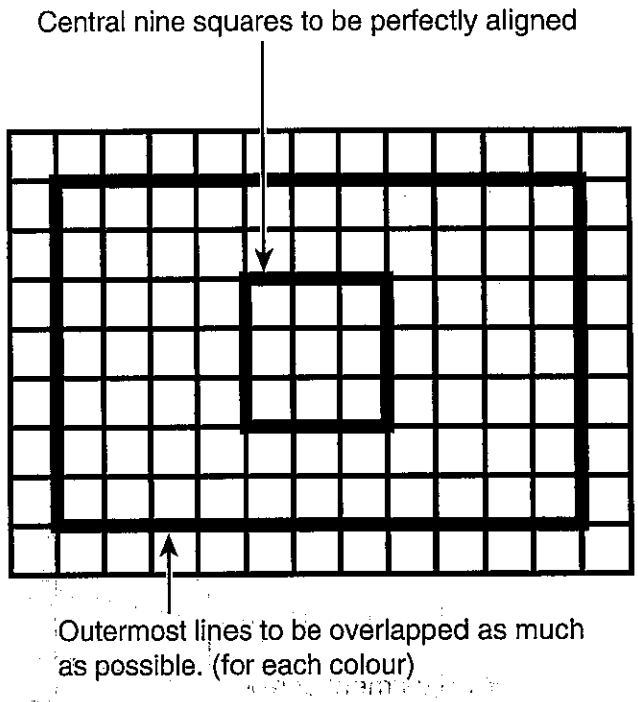
■ X and Y adjustment

1. Tools required

(1) Pattern generator

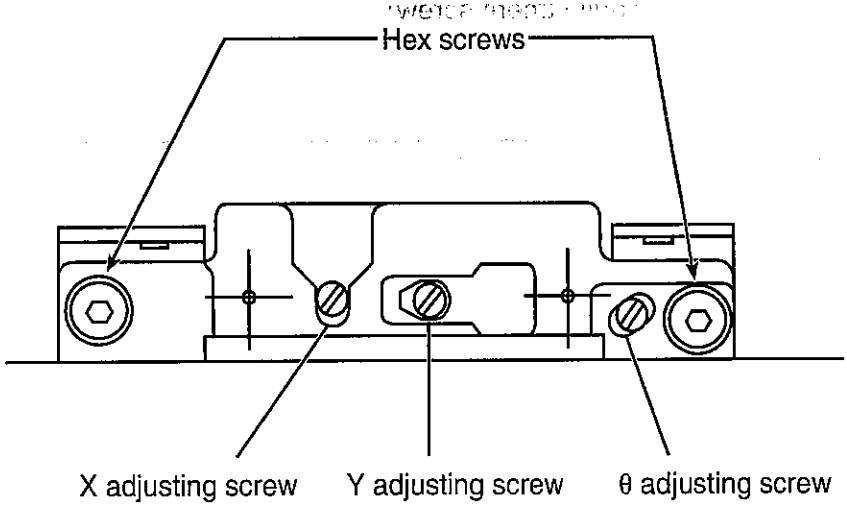
2. Adjustment references

(1) Use the G panel as reference. Adjust the R and B panels to the G panel.
(2) Perfectly align the central nine squares to the projection pattern.
(3) Keep the outermost lines overlapped as much as possible.



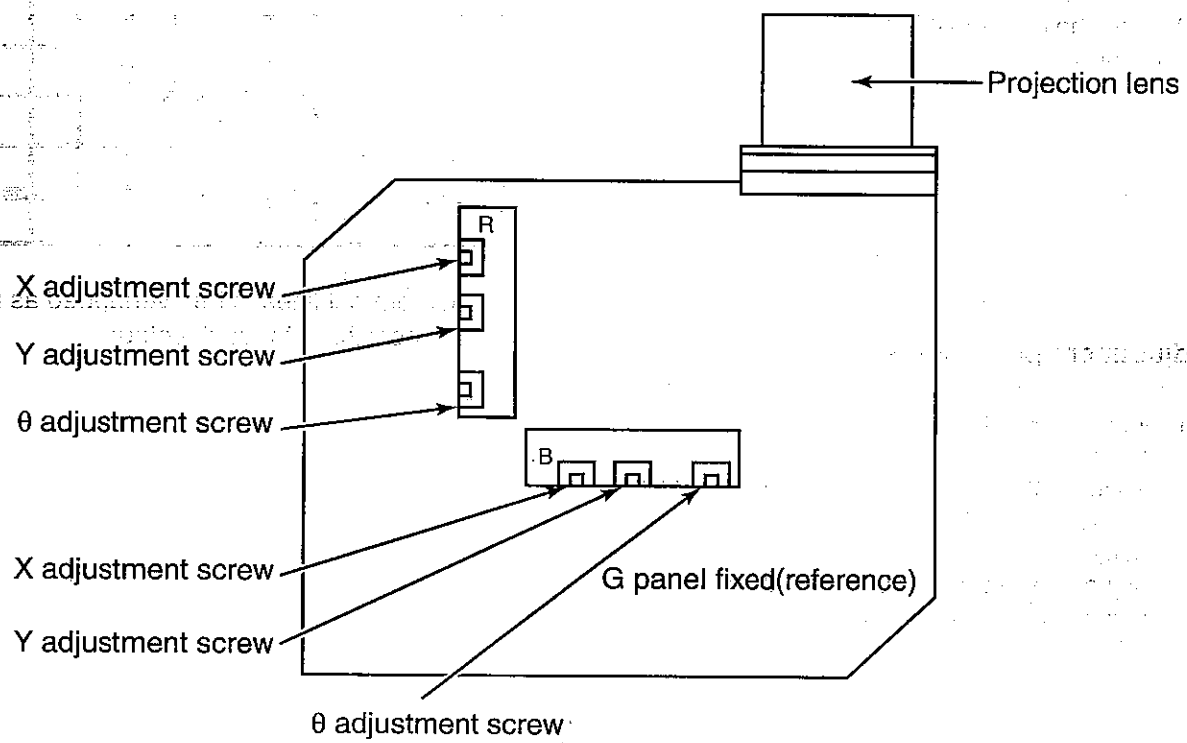
3. Adjustment procedures

(1) Loosen two hex screws each for the R-LCD panel and the B-LCD panel. (4 screws total)
(2) Input the grid signal from the pattern generator.
(3) Align the R-LCD panel.
- Push S2001 and set the follow DAC mode.
  Group : N • W
  Subject : R+G
- Adjust the X axis for horizontal direction.
- Adjust the Y axis for vertical direction.
- Adjust the θ direction for tilting.



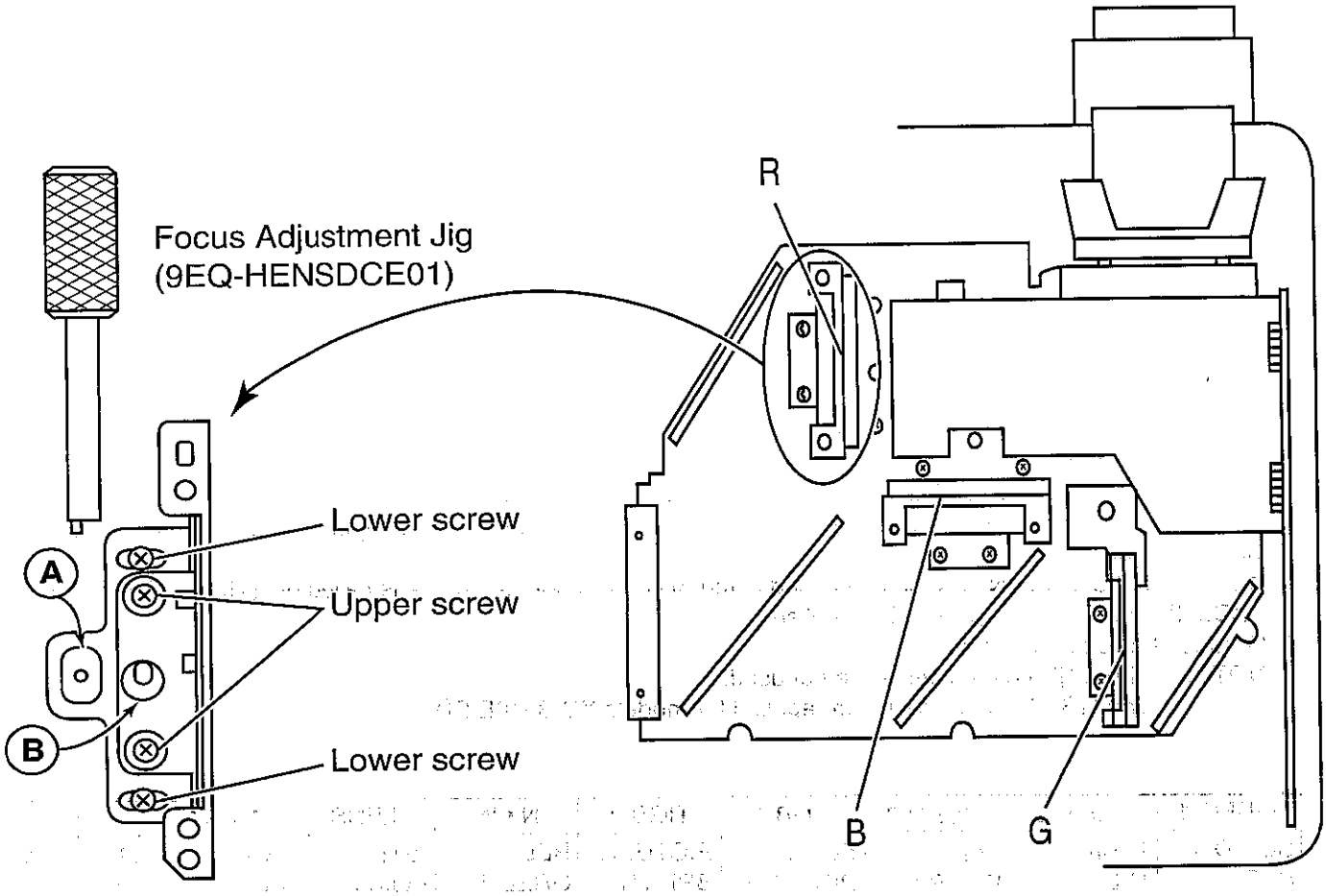
(4) Align the B-LCD panel.
- Set the follow DAC mode.
  Group : N • W
  Subject : B+G
- Overlap the B squares on the G squares.
- Adjust the X axis for horizontal direction.
- Adjust the Y axis for vertical direction.
- Adjust the θ direction for tilting.

(5) Tighten up the four hex screw (loosened in step (1) above) to 13 ± 1 kg-cm.



Adjustment screw	Roatating direction	R	B
θ	Clockwise	Right side up	Right side down
	Counterclockwise	Right side down	Right side up
Y	Clockwise	Lowered	Raised
	Counterclockwise	Raised	Lowered
X	Clockwise	Moves to right	Moves to left
	Counterclockwise	Moves to left	Moves to right

FOCUS ADJUSTMENT



Top view of the red- and blue-colour converters

1. Take out the front body.
2. Take out the top body.
3. Place the unit as shown above (top view). Adjust the projection lens for the green-colour focus. (Keep the red and blue colours shut off.)
4. Loosen the two upper screws and the two lower screws (four in total) as shown at left to let loose the red-colour converter.
5. With the green and blue colours cut off (light shielding plate inserted), allow in the red colour only. Looking at the red-colour image on the screen, take the following steps.

5-1. If the top half on the screen is out of focus, insert the eccentric pin at the tip of the focus adjustment jig in the hole (Part A) at the bottom of the red-colour converter, and turn the jig. By this, the bottom of the red-colour converter shifts to and fro with respect to the light's traveling direction, which puts the top half on the screen in focus. While looking at the screen, achieve the best focus. Finally tighten up the lower screws.

5-2. If the bottom half on the screen is out of focus, insert the eccentric pin at the tip of the focus adjustment jig in the oval hole (Part B) at the top of the red-colour converter, and turn the jig. By this, the top of the red-colour converter shifts to and fro with respect to the light's traveling direction, which puts the bottom half on the screen in focus. While looking at the screen, achieve the best focus. Finally tighten up the upper screws.

5-3. When the bottom half of the screen has been put in focus, the top half may get out of focus again. In such case, loosen the lower screws and take Step 5-1. again to get the best focus. Finally tighten up the lower screws.

6. Tighten up the above four loose screws.
7. Take the same steps 4. - 6. to adjust the blue-colour focus.
8. Place the top and front bodies back into position.

ADJ. IN FUNCTION

1. Outline
   This function is intended to make various adjustments using the ADJ. IN. switch (S2001) and membrane switch of the projector.
2. Keys used
   [S2001], [MENU], [INPUT SELECT], [SELECT UP:▲], [SELECT DOWN:▼], [ADJUST+:>], [ADJUST-:<], [VIDEO+/-], [BRIGHT+/-], [COLOR+/-], and [TINT+/-]
3. Last memory items
   Adjustment items: The previous settings in the ADJ. IN. mode are put in memory.
   Adjustment data for all the items
4. Procedures
   4-1. Call the ADJ. IN. mode using the [ADJ. IN.] switch.
   4-2. With the [SELECT UP], [SELECT DOWN], [ADJUST+] and [ADJUST-] keys, select a desired group of adjustment items. Press the [MENU] key.
   4-3. With the ▲, ▼, < and > keys, pick up a desired adjustment item in the group. Press the [MENU] key. (By pushing the ▲ or ▼ key, the adjustment items in the group change one after the other.)
   4-4. Press the [INPUT SELECT] key, and the just previously displayed adjustment item comes back on the screen.
   4-5. If the [ADJ. IN.] switch is pressed in the ADJ. IN. mode, the mode is called off. (The display in the ADJ. IN. mode is all expressed in English.)
5. Groups of adjustment items
   NOTE: The LINE-column items are not used.
   The RGB2-column items are applied for models XG-3910E/E[A].

VIDEO 1	VIDEO 2	VIDEO 3	RGB 1	RGB 2	N • W	LENS	MASK	LINE
SUB-DC	R-BIAS	PAL-H	SUB-C	PICTURE	RED	AUTO	TOP	L1
SUB-C	R-DRIVE	PAL-S-C	PICTURE	BRIGHT	GREEN	POINT	BOTTOM	L2
TINT	B-BIAS	PN-AMP		R-DRIVE	BLUE			L3
COLOR	B-DRIVE	BELL-FO		B-DRIVE	N • W			L4
BRIGHT	W-RGB	SCM-R		PULSE	R+G			OFF TIMER
PICTURE	W-R	SCM-B		H-PHASE	B+G			TEMP1
POWER	W-B	SCM-AMP						TEMP2
	CB-R							
	CB-G							
	CB-B							

In the video input mode: VIDEO 1-3, N.W, LENS, MASK
In the RGB 1 input mode: RGB 1, N.W, LENS
In the RGB 2 input mode: RGB 2, N.W, LENS

DAC OPERATION

VIDEO 1
- SUB-DC: Sub-DC adjustment
- SUB-C: Sub-contrast adjustment
- TINT: Tint adjustment
- COLOR: Colour adjustment
- BRIGHT: Brightness adjustment
- PICTURE: Picture adjustment
- POWER: Not used

VIDEO 2
- R-BIAS: White balance (red) bias adjustment
- R-DRIVE: White balance (red) drive adjustment
- B-BIAS: White balance (blue) bias adjustment
- B-DRIVE: White balance (blue) drive adjustment
- W-RGB: Not used
- W-R: Not used
- W-B: Not used
- CB-R: Counterbias adjustment for red only
- CB-G: Counterbias adjustment for green only
- CB-B: Counterbias adjustment for blue only

VIDEO 3
- PAL-H: Horizontal phase adjustment
- PAL-S-C: PAL sub-contrast adjustment
- PN-AMP: Not used
- BELL-FO: Bell filter adjustment
- SCM-R: SECAM R-Y adjustment
- SCM-B: SECAM B-Y adjustment
- SCM-AMP: SECAM amplitude adjustment

RGB 1
- SUB-C: Not used
- PICTURE: Sub-contrast adjustment

RGB 2
- PICTURE: Not used
- BRIGHT: Not used
- R-DRIVE: Not used
- B-DRIVE: Not used
- PULSE: Not used
- H-PHASE: Horizontal phase adjustment

N.W Single-colour displays
- RED: Red
- GREEN: Green
- BLUE: Blue
- N.W: White
- R+G: Red+Green
- B+G: Blue+Green

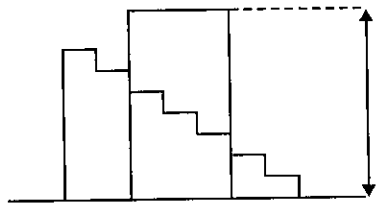
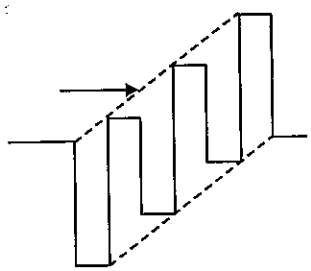
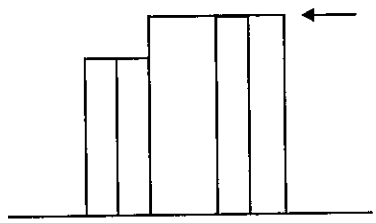
LENS Lens shift adjustments
- AUTO: Shift setting
- POINT: Not used

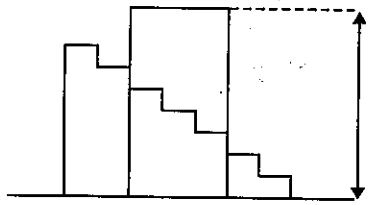
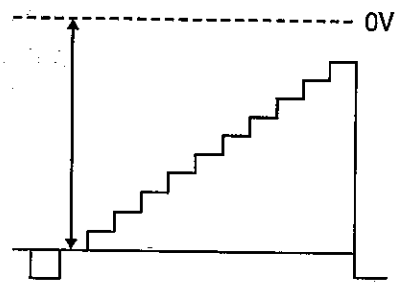
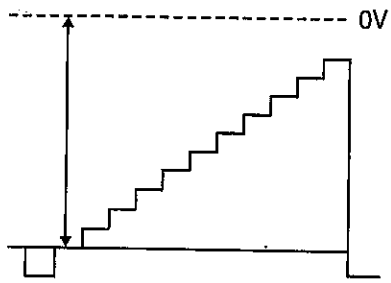
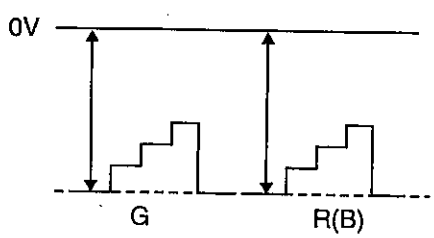
MASK Masking adjustments
- TOP: Masking positioning for top-half screen
- BOTTOM: Masking positioning for bottom-half screen

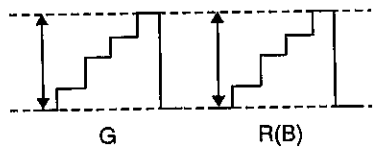
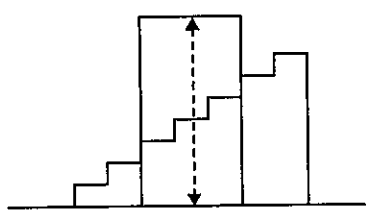
ELECTRICAL ADJUSTMENT

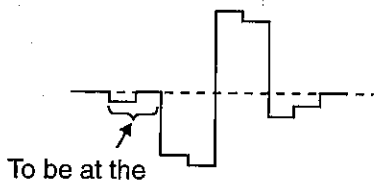
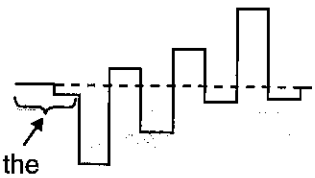
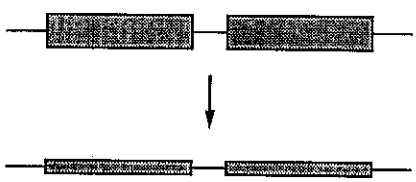
NOTE: The settings have been factory-adjusted to their best points. If any of them gets out of spec or after any relevant part has been replaced, make the related adjustment.

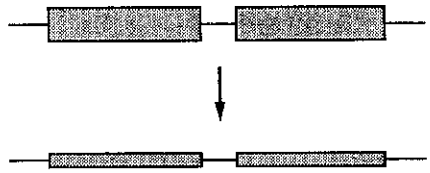
Step	Adjustment position	Adjustment condition	Adjustment method
1	**Position of Lens Shift**	1. Keep the shift mechanism in its delivered status (standard position). Call up the following mode. Group : LENS Subject : AUTO	• Using the DAC(+) key, let the microprocessor shift the lens automatically and save the data. Note: Be careful not to allow anything to hit against the lens.
2	**VCO primary OSC** **L1601** **(Control Unit)**	1. Receive the monoscope pattern signal. 2. Push S1601.	• Adjust L1601 so that the image be in horizontal sync on the screen. Then release the switch.
3	**H-center** **R1603**	1. Receive the monoscope pattern signal.	• Adjust R1603 so that the image be symmetrical about the vertical center on the screen.
4	**Scan converter (Scan Converter Unit)** **OSC** **L4101**	1. Make a short-circuit between TP4101 and GND. 2. Connect the frequency counter between TP4102 and GND. 3. Remove the short-circuit.	• Adjust L4101 so that the frequency counter should read 15.625 ± 0.01 kHz.
5	**Y/C Separation, Y Output** **R5066**	1. Receive the NTSC colour bar signal. 2. Connect the oscilloscope between TP810 and GND.	• Adjust R5066 so that the amplitude of Y signal be 0.75 ± 0.05 Vp-p.
6	**N443 Trap** **T4001**	1. Receive the PAL colour bar signal. 2. Connect the oscilloscope between TP4001 and GND.	• Adjust T4001 so that the chroma signal level be minimum.
7	**SECAM Trap** **T4002**	1. Receive the SECAM colour bar signal. 2. Connect the oscilloscope between TP4001 and GND.	• Adjust T4002 so that the chroma signal level be minimum.
8	**Sub-contrast**	1. Push S2001 to call up the following mode. Group : VIDEO 1 Subject : SUB-C	• Make sure that the numerical entry is 0 (zero).

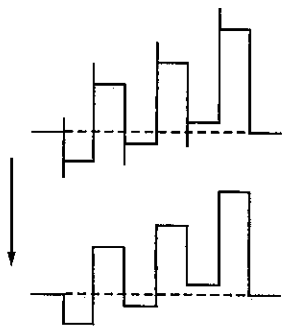
Step	Adjustment position	Adjustment condition	Adjustment method
9	**AGC (rough adjustment) R1539 (Main Unit)**	1. Receive the NTSC colour bar signal. 2. Connect the oscilloscope between pin (6) of SC801 and GND.	• Adjust R1539 so that the level between the pedestal and white portion be 3.0 ± 0.05 Vp-p. 
10	**Sub DC (DAC)**	1. Receive the NTSC colour bar signal. 2. Push S2001 to call up the following mode. Group : VIDEO 1 Subject : SUB-DC 3. Connect the oscilloscope between pin (5) of SC801 [G OUT pin (17) of IC801] and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, adjust the level between the black portion and pedestal to 0.32 ± 0.05Vp-p.
11	**Tint (DAC)**	1. Receive the NTSC colour bar signal. 2. Push S2001 to call up the following mode. Group : VIDEO 1 Subject : TINT 3. Connect the oscilloscope between TP802 [B-Y OUT pin (41) of IC801] and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, adjust the B-Y waveform so that its cyan and magenta portions be along a straight line. 
12	**Colour (DAC)**	1. Receive the NTSC colour bar signal. 2. Push S2001 to call up the following mode. Group : VIDEO 1 Subject : COLOR 3. Connect the oscilloscope between pin (6) of SC801 [RB OUT pin (16) of IC801] and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, adjust the primary R output level to the 100% white level. 

Step	Adjustment position	Adjustment condition	Adjustment method
13	**AGC** **R1539** **(Main Unit)**	1. Receive the NTSC colour bar signal. 2. Connect the oscilloscope between pin (6) of SC801 and GND.	• Adjust R1539 so that the level between the pedestal and white portion be 3.0 ± 0.05 Vp-p. 
14	**Brightness**	1. Receive the 10-step gray scale signal. 2. Push S2001 to call up the following mode. Group : VIDEO 1 Subject : BRIGHT 3. Connect the oscilloscope between pin (5) of SC1501 and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, adjust the black (0 on the scale) level to DC -5.0 ± 0.05 Vp-p. 
15	**Picture**	1. Receive the 10-step gray scale signal. 2. Push S2001 to call up the following mode. Group : VIDEO 1 Subject : PICTURE 3. Connect the oscilloscope between pin (5) of SC1501 and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, adjust the level between the white and black portions to 3.3 ± 0.05Vp-p. 
16	**Bias** **R-BIAS** **B-BIAS**	1. Receive the 10-step gray scale signal. 2. Push S2001 to call up the following mode. Group : VIDEO 2 Subject : R-BIAS (B-BIAS) 3. Connect the oscilloscope's CH1 between pin (5) of SC1501 and GND. 4. Connect the oscilloscope's CH2 between pin (4) (RED) of SC1501 [pin (3) (BLUE) of SC1501] and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, adjust the DC level at 0 on the scale to the G output level. 

Step	Adjustment position	Adjustment condition	Adjustment method
17	**Drive** **R-DRIVE** **B-DRIVE**	1. Receive the 10-step gray scale signal. 2. Turn R1505 all the way clockwise. 3. Push S2001 to call up the following mode. Group : VIDEO 1 Subject : R-DRIVE (B-DRIVE) 4. Connect the oscilloscope's CH1 between pin (5) of SC1501 and GND. 5. Connect the oscilloscope's CH2 between pin (4) (RED) of SC1501 [pin (3) (BLUE) of SC1501] and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, get the same waveforms. 
18	**γ-Correction** **R1989** **R1978**	1. Receive the 10-step gray scale signal. 2. Connect the DC voltmeter between pin (1) of P1901 and GND. 3. Connect the DC voltmeter between pin (2) of P1901 and GND.	• Adjust R1989 so that the voltmeter should read -4.0 ± 0.05 V. • Adjust R1978 so that the voltmeter should read -3.4 ± 0.05 V.
19	**White-to-White Level** **R1963**	1. Receive the 10-step gray scale signal. 2. Connect the oscilloscope between pin (3) (G OUT) of TP180 and GND.	• Adjust R1963 so that the level between the white portions be 2.60 ± 0.05 Vp-p.
20	**PAL Sub-contrast** **(DAC)**	1. Receive the PAL colour bar signal. 2. Push S2001 to call up the following mode. Group : VIDEO 3 Subject : PAL-SUB-C 3. Connect the oscilloscope between pin (5) of SC1501 and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, adjust the level between the black and white (negative-polarity) portions be 3.3 ± 0.1Vp-p. 

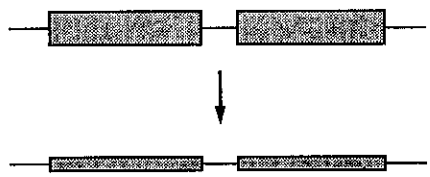
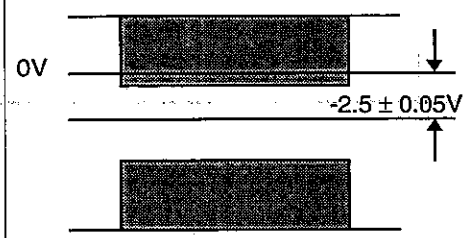
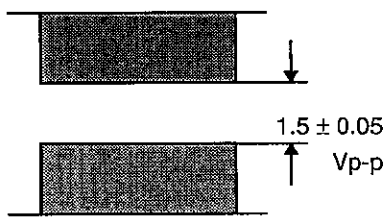
Step	Adjustment position	Adjustment condition	Adjustment method
21	**SECAM R-Y (DAC)**	1. Receive the SECAM colour bar signal. 2. Push S2001 to call up the following mode. Group : VIDEO 3 Subject : SCM-R-Y 3. Connect the oscilloscope between TP809 [pin (30) of IC802] and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, get the same DC levels.  To be at the same level
22	**SECAM B-Y (DAC)**	1. Receive the SECAM colour bar signal. 2. Push S2001 to call up the following mode. Group : VIDEO 3 Subject : SCM-B-Y 3. Connect the oscilloscope between TP808 [pin (29) of IC802] and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, get the same DC levels.  To be at the same level
23	**SECAM Amplitude (DAC)**	1. Receive the SECAM colour bar signal. 2. Push S2001 to call up the following mode. Group : VIDEO 3 Subject : SCM-AMP 3. Connect the oscilloscope between pin (4) of SC801 and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, get close to the 75% white level. 75% white To be close to 75% white level
24	**PAL H -Center (DAC)**	1. Receive the PAL or SECAM monoscope pattern signal. 2. Push S2001 to call up the following mode. Group : VIDEO 3 Subject : PAL-H	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, adjust the right and left overscans to the same.
25	**White Balance (R) R1970**	1. Receive the monoscope pattern signal. 2. Connect the oscilloscope's CH1 between pin (3) (G OUT) of TP180 and GND, and its CH2 between pin (1) (R OUT) of TP180 and GND. Invert the CH2 waveform and add the CH1 and CH2 waveforms.	• Adjust R1970 so that the waveforms be minimum. 

Step	Adjustment position	Adjustment condition	Adjustment method
26	**White Balance (B) R1958**	1. Receive the monoscope pattern signal. 2. Connect the oscilloscope's CH1 between pin (3) (G OUT) of TP180 and GND, and its CH2 between pin (5) of TP180 and GND. Invert the CH2 waveform and add the CH1 and CH2 waveforms. 3. Make a short-circuit between pins (1) and (2) of P1603 to keep the horizontal saw-tooth modulation circuit out ofoperation.	• Adjust R1958 so that the waveforms be minimum. 
27	**Colour Shade between Right and Left R1650 (Control Unit)**	1. Receive the monoscope pattern signal. 2. Remove the short-circuit at P1603.	• Adjust R1650 so that the colour shading between the right and left halves be minimum. • Invert the right and left each other and make sure the colour shading problem is minimum.
28	**Common Bias R, G, B R1801 (R) R1803 (G) R1802 (B) (Control Unit)**	1. Receive the monoscope pattern signal. 2. Push S2001 to call up the following mode. Group : VIDEO 2 Subject : CB-R, CB-G, CB-B	• On the CB-R subject, adjust R1801 to have the sharpest contrast. • On the CB-G subject, adjust R1803 to have the sharpest contrast. • On the CB-B subject, adjust R1802 to have the sharpest contrast.
29	**White Balance (fine adjustment)**	1. Take the same steps as 22 and 23.	• Visually check the white balance. Readjust it as required.
30	**Masking (DAC)**	1. Receive the monoscope pattern signal. 2. Push S2001 to call up the following mode. Group : MASK Subject : TOP, BOTTOM	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, adjust the top and bottom overscans to 95%.
31	**Sign Display Position T2001 (Main Unit)**	1. Receive the monoscope pattern signal.	• Adjust T2001 so that the focus sign be at the center of the screen. • Make sure the characters "FOCUS" are in alignment with the horizontal resolution line.

Step	Adjustment position	Adjustment condition	Adjustment method
32	**Aging Switch**	1. For aging the unit, make the key-in and make sure the blue background switch is off. 2. Before shipping the unit, be sure to key in the initial setting 4 on the remote controller. (Otherwise, the blue background off timer will not function. This means that the background will stay blue and will fail to turn off.)	• Hold down the remote controller key for the initial setting 4 for 1 second or longer.
Ref.	**SECAM Bell Filter (DAC) (in repairs)**	1. Receive the SECAM colour bar signal. 2. Push S2001 to call up the following mode. Group : VIDEO 3 Subject : BELL-FO 3. Connect the oscilloscope between TP808 [pin (29) of IP802] and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, get the clear borders between different colours. 
33	**RGB1 Sub-contrast**	1. Receive the 0.7-Vp-p NTSC colour bars ignal to RGB1. 2. Push S2001 to call up the following mode. Group : RGB 1 Subject : SUB-C 3. Connect the oscilloscope between pin (5) of SC1501 and GND.	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, adjust the level between the pedestal and white portion to 3.3 ± 0.1 Vp-p.

Note : The following steps 34 through 41 are applied for models XG-3910E/EⒶ.

34	**VGA Gain (preparations) R3213**	1. Receive the MAC 16-tone signal. 2. Connect the oscilloscope to TP1801. 3. Roughly adjust R3213 so that the black portion of the waveform be clear.	• Red : TP1801, R3213 • Green : TP1803, R3202 • Blue : TP1805, R3205

Step	Adjustment position	Adjustment condition	Adjustment method
35	**VGA Gain** **R3055 (R)** **R3252 (G)** **R3049 (B)** **(VGA)** **TP3301 short-circuited**	1. Receive the MAC 16-tone signal. 2. Connect the oscilloscope's CH1 between to TP1801 (R2 OUT) and GND, and its CH2 between TP1802 (R1 OUT) and GND. Invert the CH2 waveform and add the CH1 and CH2 waveforms. G : TP1803 and TP1804 B : TP1805 and TP1806	• Adjust R3055 so that the waveform amplitude be minimum. For G and B, use R3252 and R3049, respectively. 
36	**Center Bias** **R3213 (R)** **R3202 (G)** **R3205 (B)** **(VGA)**	1. Receive the MAC 16-tone signal. 2. Connect the oscilloscope to TP1801 and GND. G : TP1803 B : TP1805	• Adjust R3213 so that the center level between the upper and lower waveforms be -2.5 ± 0.05 Vp-p. (For G and B, use R3202 and R3205, respectively.) 
37	**VGA Brightness** **R3062 (R)** **R3063 (G)** **R3064 (B)** **(VGA)**	1. Receive the MAC 16-tone signal. 2. Connect the oscilloscope to TP1801 and GND. G : TP1803 B : TP1805	• djust R3062 so that the level between the upper and lower white portions be 1.5 ± 0.05 Vp-p. (For G and B, use R3063 and R3064, respectively.) 
38	**VGA White Balance (fine adjustment)** **R3062**	1. Receive the MAC 16-tone signal.	• Adjust R3062 and R3064 and visually check to see if the pattern is the same as that on the CRT monitor screen.
39	**Colour Shade between Right and Left R3313**	1. Remove the short-circuit at TP3301. 2. Receive the MAC gray chart signal.	• Adjust R3313 so that the colour shading between the right and left halves be minimum.

Step	Adjustment position	Adjustment condition	Adjustment method
40	**MAC Phase (DAC)**	1. Receive the MAC tiling pattern signal. 2. Push S2001 to call up the following mode. Group : RGB 2 Subject : H-PHASE	• Using the VIDEO ADJUSTMENT +/- keys on the membrane switch, make the noise on the screen minimum.
41	**Clock Phase** **R1940** **R1935** **R1945**	1. Receive the tiling pattern signal. 2. Set the unit to the standard status. 3. Do the same for G and B too. This is necessary, however, only when the pattern is split into blocks or suffers vertical streaks. The pattern may also get out of phase in the video mode. So check the phase also in the video mode as well as in inverting the pattern up and down, and right and left.	• Adjust R1940 (green), R1935 (red) and R1945 (blue) so that the pattern be not split in blocks and there be no vertical streaks.

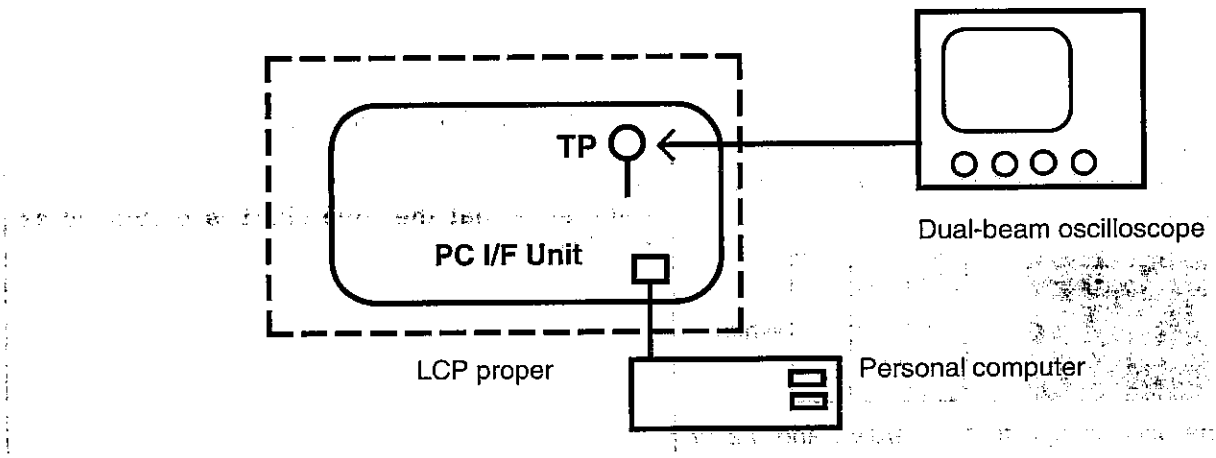
ADJUSTMENT OF THE PC/IF PWB

NOTE : This adjustment is applied for models XG-3910E/E[A].

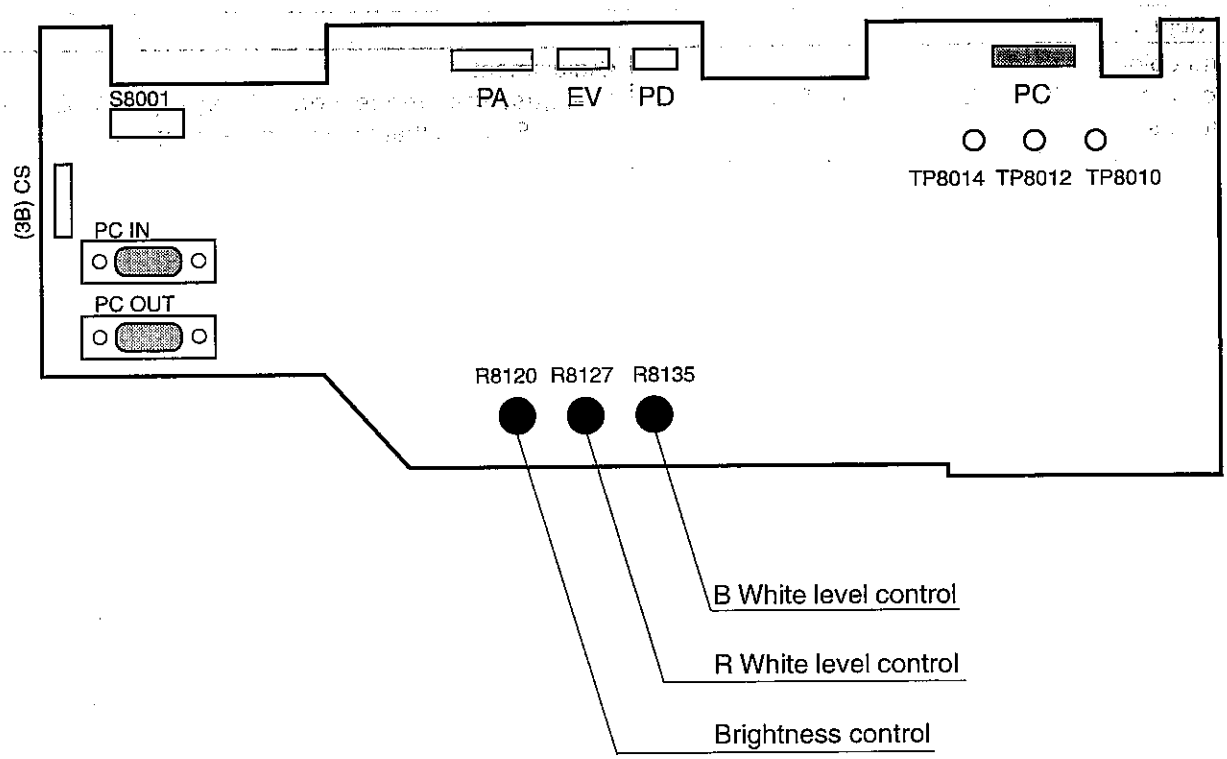
Analog section adjustment

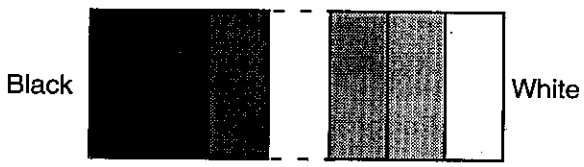
Instruments/tools	Remarks
Personal computer	IBM-PC (VGA), Macintosh (640 * 840)
Control adjusting screwdriver	

Adjustment system layout

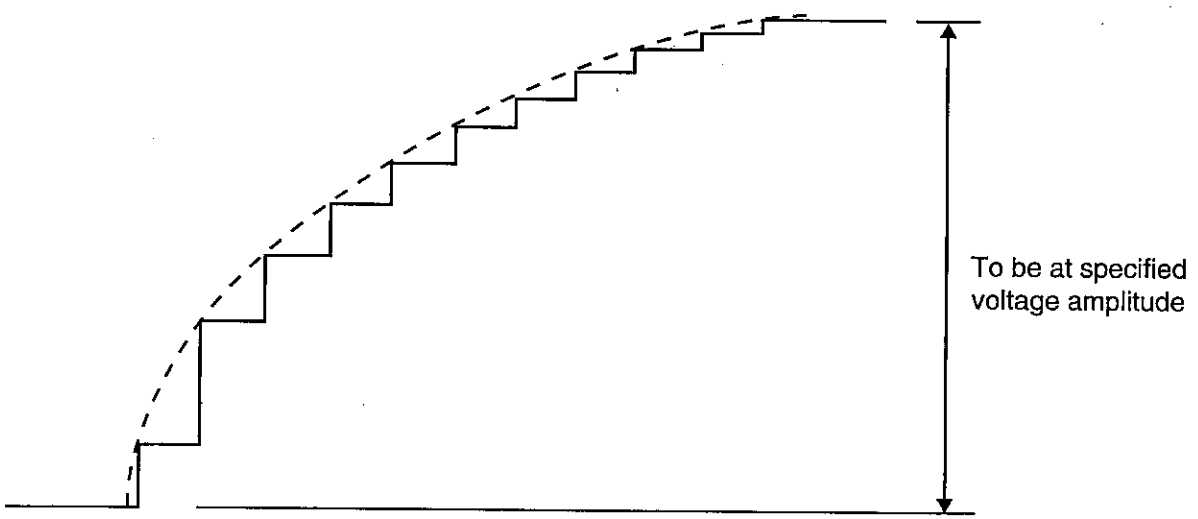


Layout



Adjustment Conditions	Adjustment Procedures
• Level and gain adjustment (analog-output computer)	
Measuring points Pin (9) of PC connector (green, brightness): TP8014 Pin (5) of PC connector (blue): TP8012 Pin (1) of PC connector (red): TP8010 Adjusting points R8120: Brightness adjustment R8135: B white level adjustment R8127: R white level adjustment Preparations 1. Set the filter switch (S8001) to the THROUGH position. 2. Reset the adjustment level of the LCP. (Press the MENU button on the remote controller or the unit, select the RGB 2 ADJ. menu, and press the RESET key.) 3. Set all the above controls to the mechanical center. 4. Hook up the personal computer (PC-9801 or IBM-PC (VGA)) to the PC IN connector. Make the 16-tone chart appear on the screen.  5. Adjust the oscilloscope to 10 μs/div . and 0.2 V/ div.(AC).	• Brightness adjustment (G white level adjustment) 1. Connect the oscilloscope to pin (9) (TP8014) of PC connector. 2. Using the brightness control (R8120), adjust the tone chart. Set maximum amplitude at 0.95 Vp-p. • B white level adjustment 3. Connect the oscilloscope to pin (5) (TP8012) of PC connector. 4. Using the B white level control (R8135), adjust the tone chart. Set maximum amplitude at 0.95 Vp-p. • R white level adjustment 5. Connect the oscilloscope to pin (1) (TP8010) of PC connector. 6. Using the R white level control (R8127), adjust the tone chart. Set maximum amplitude at 0.95 Vp-p. **Note:** **Make sure that the tone chart is displayed as specified.**
•Phase adjustment	
Adjusting point Phase control keys (PHASE< and PHASE>) Preparations 1. Set the filter switch (S8001) to the THROUGH position. 2. Command the personal computer to make a "H" letter appear over the screen.	•Adjustment 1. Adjust the phase control keys (PHASE< and PHASE>) so that the image be sharpest.

PC connector adjustment waveform



HINWEIS FÜR DAS WARTUNGSPERSONAL

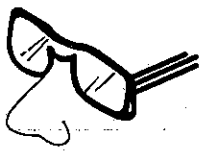
ACHTUNG: UV-STRAHLUNG

Die Lichtquelle im LCD-Projektor, eine Metall-Halogen-Lampe, gibt eine geringe UV-Strahlung ab.

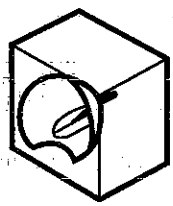
DIREKTE BESTRAHLUNG AUF AUGEN UND HAUT MUSS VERMIEDEN WERDEN.

Zur Gewährleistung der Sicherheit muß folgendes beachtet werden:

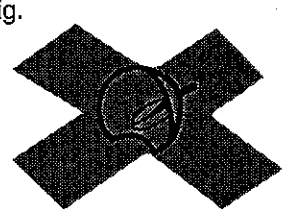
1. Bei Arbeiten am Projektor bei eingeschalteter Lampe und abgenommenem oberen Gehäuse muß unbedingt eine Sonnenbrille getragen werden.



2. Die Lampe darf nicht außerhalb des Lampengehäuses eingeschaltet werden.



3. Betrieb für länger als 2 Stunden bei abgenommenem Gehäuse ist nicht zulässig.



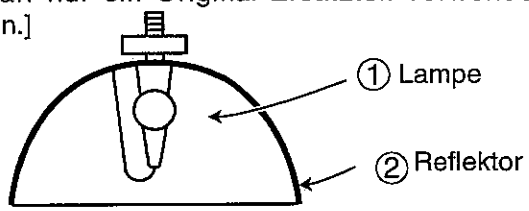
Zur Beachtung bei UV-Strahlung und Mitteldruck-Lampen

1. Vor dem Auswechseln der Lampe muß der Netzstecker gezogen werden.
2. Vor Durchführung von Wartungsarbeiten muß das Gerät eine Stunde abkühlen.
3. XG-3910E/EA:
   Die Lampe darf nur gegen eine der gleichen Art ausgewechselt werden. Typ CLMPF0041DE01, bemessen für 75 V/400 W.
3. XV-3410S :
   Die Lampe darf nur gegen eine der gleichen Art ausgewechselt werden. Typ CLMPF0034DE07, bemessen für 65 V/350 W.
4. Die Lampe gibt eine geringe UV-Strahlung ab, daher muß direkter Augenkontakt vermieden werden.
5. Die Mitteldruck-Lampe weist ein Explosionsrisiko auf. Daher müssen die nachstehenden Installationsanweisungen beachtet werden, und die Lampe muß vorsichtig behandelt werden.

■ Auswechseln der Lampe

Hinweis:

Da die Lampe während des Betriebs sehr heiß wird, sollte die Lampe erst ausgewechselt werden, nachdem das Gerät mindestens eine Stunde ausgeschaltet war, damit die Lampe ausreichend abkühlen kann.
Beim Installieren der neuen Lampe muß darauf geachtet werden, die Lampe selbst (Glaskolben) nicht zu berühren. Vielmehr muß die Lampe am Reflektor ② gehalten werden.
[Es darf nur ein Original-Ersatzteil verwendet werden.]



GEFAHR! — Niemals die Spannungsversorgung einschalten, ohne daß eine Lampe vorhanden ist, um elektrische Schläge und Schäden am Gerät zu vermeiden, da der Stabilisator anfangs hohe Spannungen erzeugt.

Da eine geringe UV-Strahlung aus einer Öffnung zwischen der Schachtabdeckung und dem Lampengehäuse austritt, sollte der Objektivdeckel bei Wartungsarbeiten auf die Öffnung gesetzt werden, um die Bestrahlung von Augen und Haut zu vermeiden (Abb. 1).

Hinweis: Besorgen Sie sich einen Objektivdeckel, bevor Sie Arbeiten an einem Modelle XG-3910E/EA und XV-3410S durchführen, das keinen Objektivdeckel aufweist.

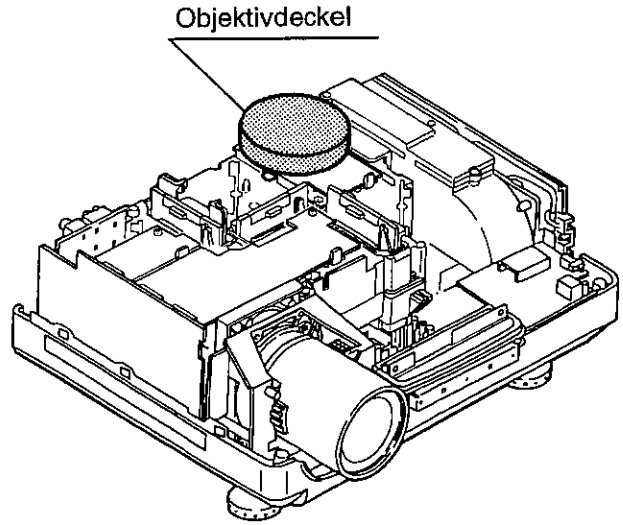


Abbildung 1.

Technische Daten

Modelle XG-3910E/EA

Produkttyp		LCD-Projektor
Modell		XG-3910E
System		PAL-/SECAM-/NTSC 3.58-/NTSC 4.43-System
Wiedergabeverfahren		3 LCD-Projektionspanele, dreifarbiges optisches Verschlußverfahren
LCD-Projektionspanele	Panelgröße	3,0 Zoll (4,5 cm (H) × 6,2 cm (B))
	Wiedergabeverfahren	Durchlässige TN-Flüssigkristall-Panele
	Treiberverfahren	TFT (Dünnfilmtransistor) Aktivmatrix-Treiberverfahren
	Anzahl der Bildpunkte	309.120 Bildpunkte × 3 Panele
Objektiv		1 - 1,6 Zoomobjektiv, F=3,4 - 4,2 f=101 mm - 160mm
Projektionslampe		400 W Metallhalogen-Entladungslampe
Kontrastverhältnis		100:1
Videoeingangssignal (FBAS)		BNC-Anschluß: VIDEO, Composite Video, 1 Vs-s, negatives Sync.-Signal, 75 Ω terminiert RCA-Anschluß: AUDIO, 142 mVrms, mehr als 47 kΩ (Stereo)
S-Videoeingangssignal		4-pol. Mini-DIN-Steckanschluß Y (Luminanz-Signal): 1 Vs-s, negatives Sync.-Signal, 75 Ω terminiert C (Chrominanz-Signal): Farbsynchronimpuls 0,286 Vs-s, 75 Ω terminiert
Videoausgangssignal (Monitor)		BNC-Anschluß: VIDEO, Composite Video, 1 Vs-s, negatives Sync.-Signal, 75 Ω terminiert RCA-Anschluß: AUDIO, 142 mVrms, mehr als 47 kΩ (Stereo)
Horizontale Auflösung		500 Fernsehzeilen (Videoeingang)
Audioausgang		3 W (monaural)
Computer-RGB-Eingangssignal	Videosignal	15-pol. Mini-D-Typ-Steckanschluß: Getrennter analoger RGB-Signaleingang: 0-0,7 Vs-s, positiv, 75 Ω terminiert RCA-Buchse: AUDIO, 142 Vrms, mehr als 47 kΩ (Stereo)
	Horizontales Sync.-Signal	TTL-Pegel (positiv oder negativ) oder Composite Sync.-Signal (nur Apple)
	Vertikales Sync.-Signal	
RGB-Videoeingangssignal	Videosignal	BNC-Anschluß: Getrennter analoger RGB-Signaleingang: 0-0,7 Vs-s, positiv, 75 Ω terminiert RCA-Buchse: AUDIO, 142 Vrms, mehr als 47 kΩ (Stereo)
	Composite Sync.-Signal	TTL-Pegel
Lautsprecher		3 Zoll (8 cm), rund
Nennspannung		200 - 240 V Wechselstrom
Nennfrequenz		50/60 Hz
Nennaufnahme		520 W
Betriebstemperatur		5°C - 40°C
Lagertemperatur		-20°C - 55°C
Gehäuse		Kunststoff
Abmessungen (BxTxH)		550 × 470 × 230 mm (nur Projektor) 550 × 537 × 230 mm (einschl. Anschluß-Abdeckung)
Gewicht		15,4 kg (nur Projektor) 15,7 kg (einschl. Anschluß-Abdeckung)
Mitgeliefertes Zubehör		Fernbedienung, vier AA-Batterien, Objektivkappe (installiert), Schutzabdeckung für erhöhte Aufstellung, vier Kabelschutz-Stöpsel, Display-Aufkleber für umgekehrte Installation, Ersatz-Luftfilter, Anschluß-Abdeckung, VGA-Kabel, zwei BNC-RCA-Adapter, Mac/VGA-Adapter.
Sonderzubehör		Fernbedienung, Luftfilter, VGA-Kabel, Mac/VGA-Adapter, (XG-3910EA: Netzsteckeradapter)

Dieser Projektor ist mit LCD (Flüssigkristallanzeige)-Projektionspanelen ausgestattet. Diese neuartigen Projektionspanele enthalten TFT's (Dünnfilm-Transistoren) mit insgesamt 309.120 Bildpunkten (xRGB). Bei allen technologisch fortschrittlichen elektronischen Geräten, z.B. Großbild-Fernsehern, Videosystemen oder Videokameras, sind bestimmte Toleranzgrenzen für die Funktionen gegeben.
Die von Sharp akzeptierte Toleranzgrenze erlaubt insgesamt sechs (6) inaktive TFTs (einschließlich schwarzer Flecken), die als beleuchtete Punkte auf der Bildwand wiedergegeben werden.
Dies hat keinen Einfluß auf die Bildqualität und die Lebenserwartung des Gerätes.

*Änderungen der technischen Daten vorbehalten.

Technische Daten

Modell XV-3410S

Produkttyp		LCD-Projektor
Modell		XV-3410S
System		PAL-/SECAM-/NTSC 3.58-/NTSC 4.43-System
Wiedergabeverfahren		3 LCD-Projektionspanele, dreifarbiges optisches Verschlußverfahren
LCD-Projektionspanele	Panelgröße	3 Zoll (4,5 cm (H) × 6,2 cm (B))
	Wiedergabeverfahren	Durchlässige TN-Flüssigkristall-Panele
	Treiberverfahren	TFT (Dünnfilmtransistor) Aktivmatrix-Treiberverfahren
	Anzahl der Bildpunkte	309.120 Bildpunkte × 3 Panele
Objektiv		1 - 1,6 Zoomobjektiv, F=3.4-4.2 f=101-160 mm
Projektionslampe		350 W Metallhalogen-Entladungslampe
Kontrastverhältnis		100:1
Videoeingangssignal (FBAS)		BNC-Anschluß: VIDEO, Composite Video, 1 Vs-s, negatives Sync.-Signal, 75 Ω terminiert RCA-Anschluß: AUDIO, 142 mVrms, mehr als 47 kΩ (Stereo)
S-Videoeingangssignal		4-pol. Mini-DIN-Steckanschluß Y (Luminanz-Signal): 1 Vs-s, negatives Sync.-Signal, 75 Ω terminiert C (Chrominanz-Signal): Farbsynchronimpuls 0,286 Vs-s, 75 Ω terminiert
Videoausgangssignal (Monitor)		BNC-Anschluß: VIDEO, Composite Video, 1 Vs-s, negatives Sync.-Signal, 75 Ω terminiert RCA-Anschluß: AUDIO, 142 mVrms, mehr als 47 kΩ (Stereo)
Horizontale Auflösung		500 Fernsehzeilen (Videoeingang)
Audioausgang		3 W (monaural)
RGB-Videoeingangssignal	Videosignal	BNC-Anschluß: Getrennter analoger RGB-Signaleingang: 0-0,7 Vs-s, positiv, 75 Ω terminiert RCA-Buchse: AUDIO, 142 Vrms, mehr als 47 kΩ (Stereo)
	Composite Sync.-Signal	TTL-Pegel
Lautsprecher		3 Zoll (8 cm), rund
Nennspannung		200 - 240 V Wechselstrom
Nennfrequenz		50/60 Hz
Nennaufnahme		445 W
Betriebstemperatur		5°C - 40°C
Lagertemperatur		-20°C - 55°C
Gehäuse		Kunststoff
Abmessungen (BxTxH)		550 × 470 × 230 mm (nur Projector) 550 × 537 × 230 mm (einschl. Anschluß-Abdeckung)
Gewicht		14,8 kg (nur Projector) 15,1 kg (einschl. Anschluß-Abdeckung)
Mitgeliefertes Zubehör		Fernbedienung, twei AAA-Batterien, Objektivkappe (installiert), Schutzabdeckung für erhöhte Aufstellung, vier Kabelschutz-Stöpsel, Display-Aufkleber für umgekehrte Installation, Ersatz-Luftfilter, Anschluß-Abdeckung, zwei BNC-RCA-Adapter
Sonderzubehör		Fernbedienung, Luftfilter

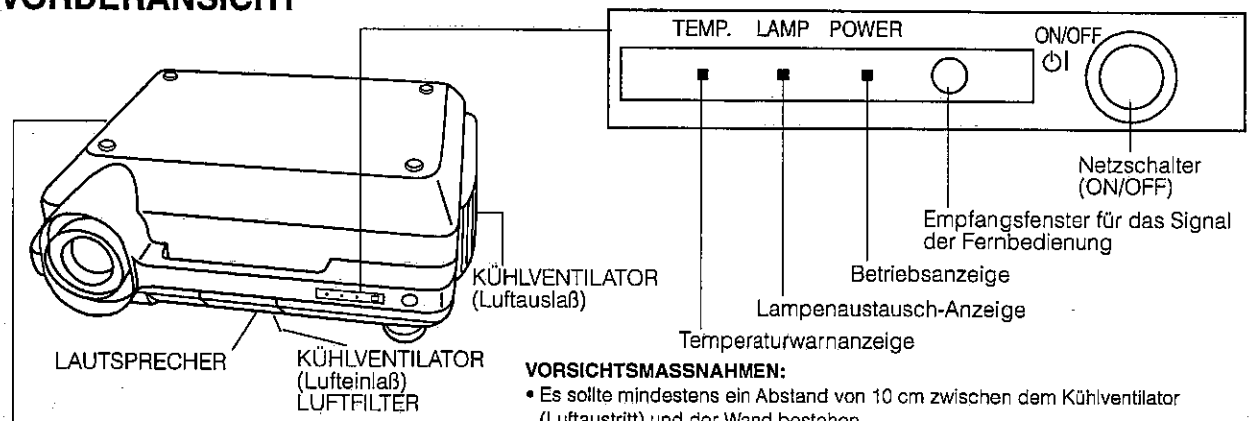
Dieser Projektor ist mit LCD (Flüssigkristallanzeige)-Projektionspanelen ausgestattet. Diese neuartigen Projektionspanele enthalten TFT's (Dünnfilm-Transistoren) mit insgesamt 309.120 Bildpunkten (xRGB). Bei allen technologisch fortschrittlichen elektronischen Geräten, z.B. Großbild-Fernsehern, Videosystemen oder Videokameras, sind bestimmte Toleranzgrenzen für die Funktionen gegeben.
Die von Sharp akzeptierte Toleranzgrenze erlaubt insgesamt sechs (6) inaktive TFTs (einschließlich schwarzer Flecken), die als beleuchtete Punkte auf der Bildwand wiedergegeben werden.
Dies hat keinen Einfluß auf die Bildqualität und die Lebenserwartung des Gerätes.

*Änderungen der technischen Daten vorbehalten.

Lage der Bedienelemente

Modelle XG-3910E/EA

VORDERANSICHT



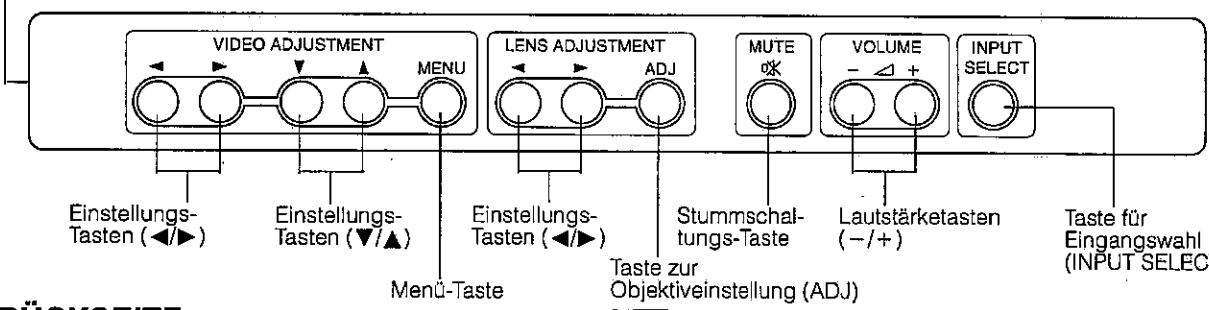
VORSICHTSMASSNAHMEN:

- Es sollte mindestens ein Abstand von 10 cm zwischen dem Kühlventilator (Luftaustritt) und der Wand bestehen.
- Wenn der Kühlventilator versperrt wird, schaltet ein Schutzmechanismus automatisch die Projektorlampe aus. Dies zeigt keine Fehlfunktion an. Den Netzstecker des Projektors von der Steckdose abtrennen und 10 Minuten lang warten. Durch den Anschluß des Netzkabels an die Steckdose wird das Gerät wieder eingeschaltet und der Projektor ist wieder auf die normale Betriebsart zurückgestellt.

BEDIENFELD AUF DER SEITE DES PROJEKTORS

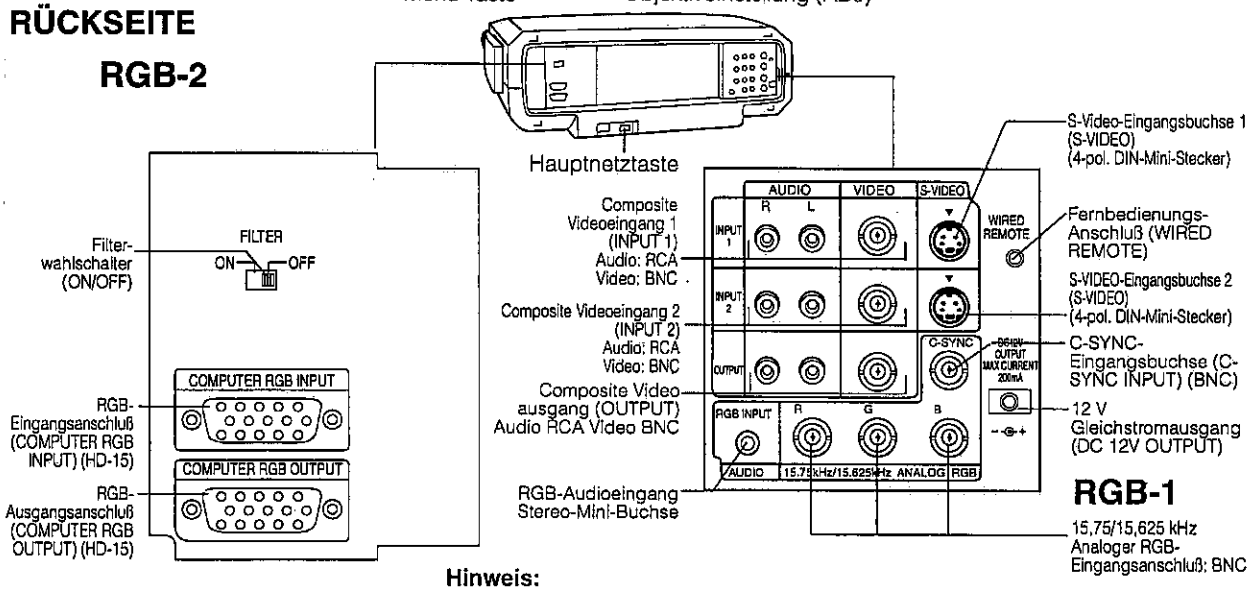
Leuchtstoff-Display

Zur Verbesserung der Ablesbarkeit sind die auf der rechten Seite befindlichen Bedienelemente mit einem Leuchtstoff-Display ausgestattet, das nach Einwirkung des Umgebungslichts im Dunkeln nachleuchtet.
(Nachleuchtstärke)
Nach ca. 10 Min. unter Sonnen- oder Kunstlicht mit 500 Lux Lichtstärke leuchtet das Display etwa 1 Stunde nach.
(**Hinweis:** 500 Lux entspricht der Lichtstärke in ca. 1 - 1,5 Meter Abstand unter einer 40-Watt-Leuchtstoffröhre)



RÜCKSEITE

RGB-2



RGB-1

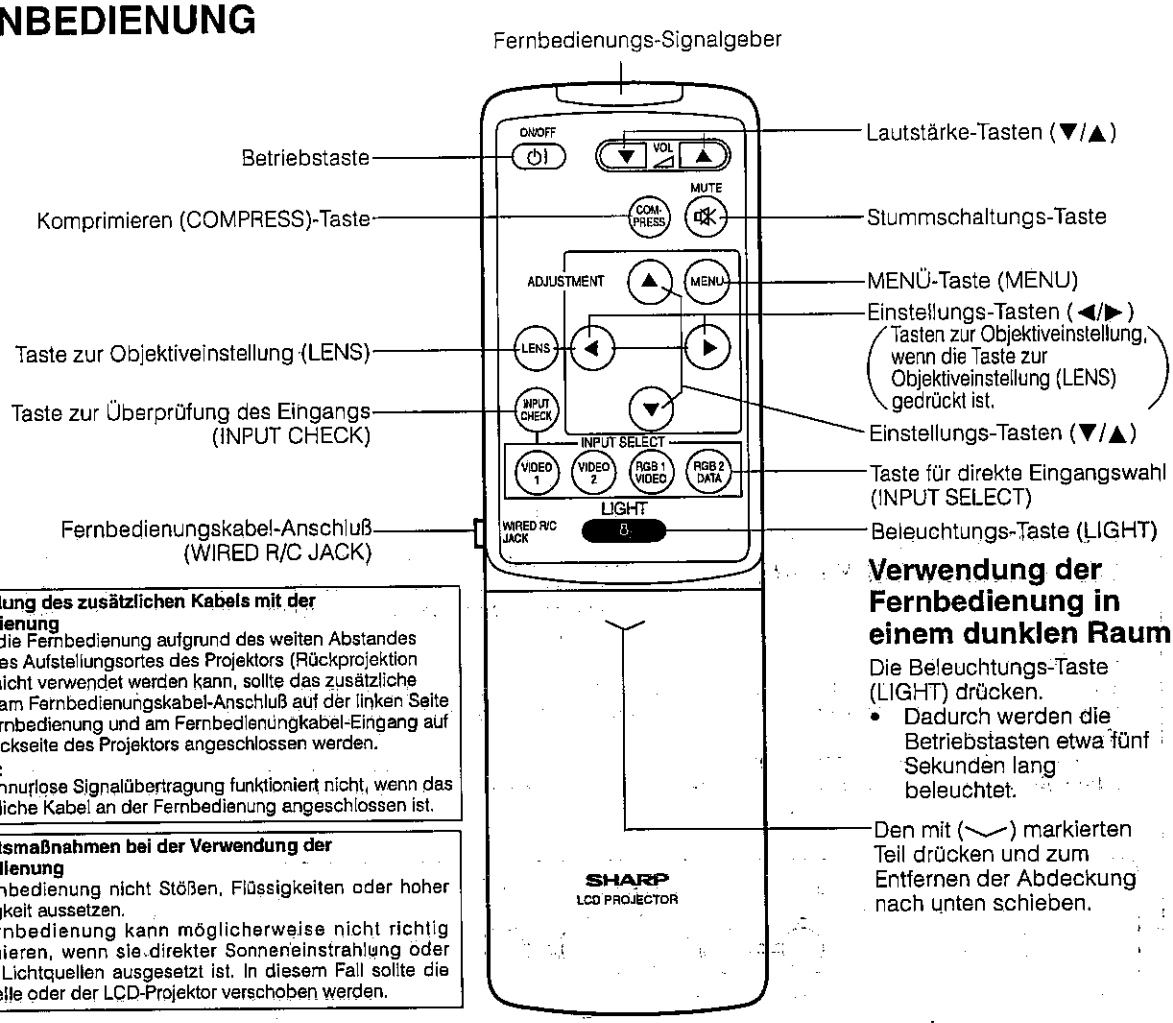
Hinweis:

- Wenn 200 mA oder mehr am 12 V Gleichstromausgang (DC 12V OUTPUT) abgenommen wird, schaltet eine Schutzschaltung automatisch den Projektor aus und stellt ihn auf die Bereitschafts-Betriebsart ein.

Fernbedienter Betrieb

Modelle XG-3910E/EA

FERNBEDIENUNG



Verwendung des zusätzlichen Kabels mit der Fernbedienung

- Wenn die Fernbedienung aufgrund des weiten Abstandes oder des Aufstellungsortes des Projektors (Rückprojektion usw.) nicht verwendet werden kann, sollte das zusätzliche Kabel am Fernbedienungskabel-Anschluß auf der linken Seite der Fernbedienung und am Fernbedienungkabel-Eingang auf der Rückseite des Projektors angeschlossen werden.

Hinweis:

- Die schnurlose Signalübertragung funktioniert nicht, wenn das zusätzliche Kabel an der Fernbedienung angeschlossen ist.

Vorsichtsmaßnahmen bei der Verwendung der Fernbedienung

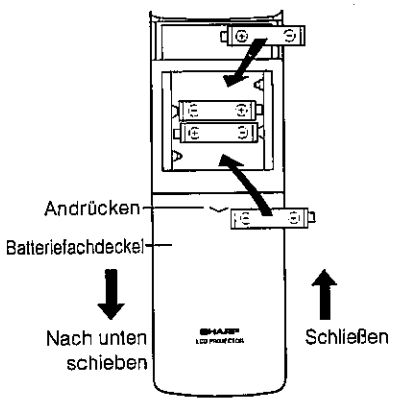
Die Fernbedienung nicht Stößen, Flüssigkeiten oder hoher Feuchtigkeit aussetzen.

Die Fernbedienung kann möglicherweise nicht richtig funktionieren, wenn sie direkter Sonneneinstrahlung oder starken Lichtquellen ausgesetzt ist. In diesem Fall sollte die Lichtquelle oder der LCD-Projektor verschoben werden.

Verwendung der Fernbedienung in einem dunklen Raum

Die Beleuchtungs-Taste (LIGHT) drücken.

- Dadurch werden die Betriebstasten etwa fünf Sekunden lang beleuchtet.



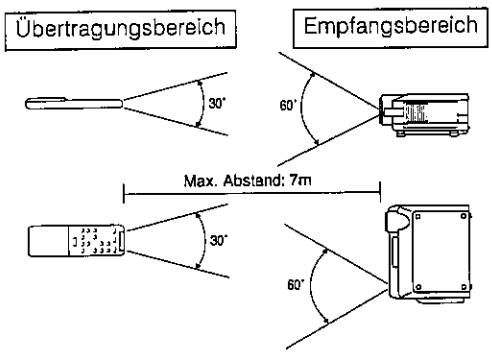
Einsetzen der Batterien

Die Batteriefachabdeckung wie gezeigt entfernen, vier Batterien (Größe AA) einsetzen und sicherstellen, daß die Polarität den Markierungen (+) und (−) im Batteriefach entspricht.

HINWEISE:

Eine falsche Verwendung kann die Batterien zum Auslaufen oder Explodieren bringen.

- Die Batterien unter Beachtung der (+) und (−) Pole wie gezeigt richtig einsetzen.
- Die Batterien aus der Fernbedienung entnehmen, wenn sie für längere Zeit nicht verwendet wird.
- Die Batterien immer sauber halten.
- Unterschiedliche Batteriearten nicht zusammen verwenden. Die Lebensdauer der neuen Batterien wird dadurch verkürzt und die alten Batterien können auslaufen.
- Verbrauchte Batterien sollten sofort entnommen werden, um Auslaufen und Beschädigungen zu vermeiden. Ausgelaufene Batterieflüssigkeit kann zu Hautirritationen führen. Ausgelaufene Batterieflüssigkeit mit einem Tuch entfernen.
- Wegen unterschiedlicher Lagerbedingungen können die mitgelieferten Batterien früher als angegeben verbraucht sein. Verbrauchte Batterien sollten so schnell wie möglich durch neue ausgetauscht werden.



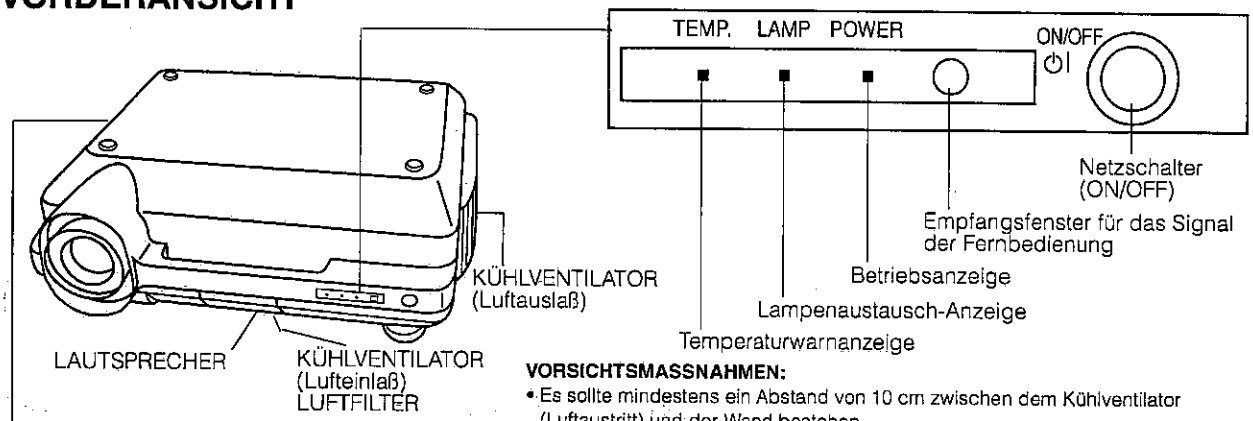
Verwendung der Fernbedienung

Die Fernbedienung wie gezeigt verwenden.

Lage der Bedienelemente

Modell XV-3410S

VORDERANSICHT



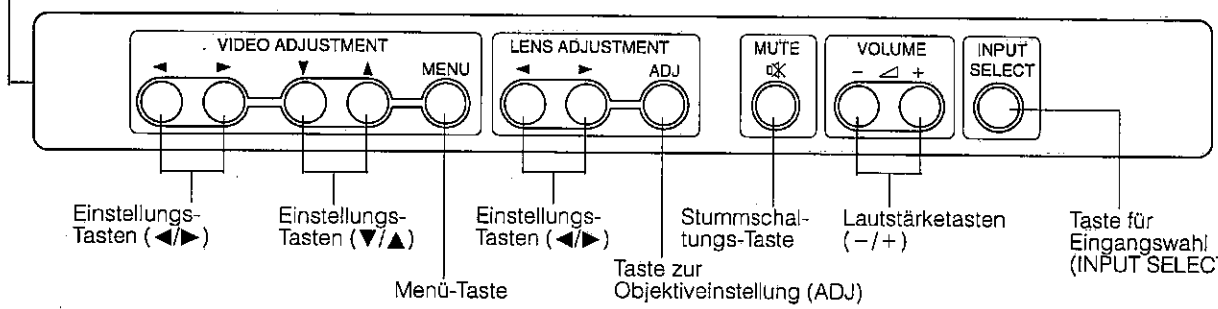
VORSICHTSMASSNAHMEN:

- Es sollte mindestens ein Abstand von 10 cm zwischen dem Kühlventilator (Luftaustritt) und der Wand bestehen.
- Wenn der Kühlventilator versperrt wird, schaltet ein Schutzmechanismus automatisch die Projektorlampe aus. Dies zeigt keine Fehlfunktion an. Den Netzstecker des Projektors von der Steckdose abtrennen und 10 Minuten lang warten. Durch den Anschluß des Netzkabels an die Steckdose wird das Gerät wieder eingeschaltet und der Projektor ist wieder auf die normale Betriebsart zurückgestellt.

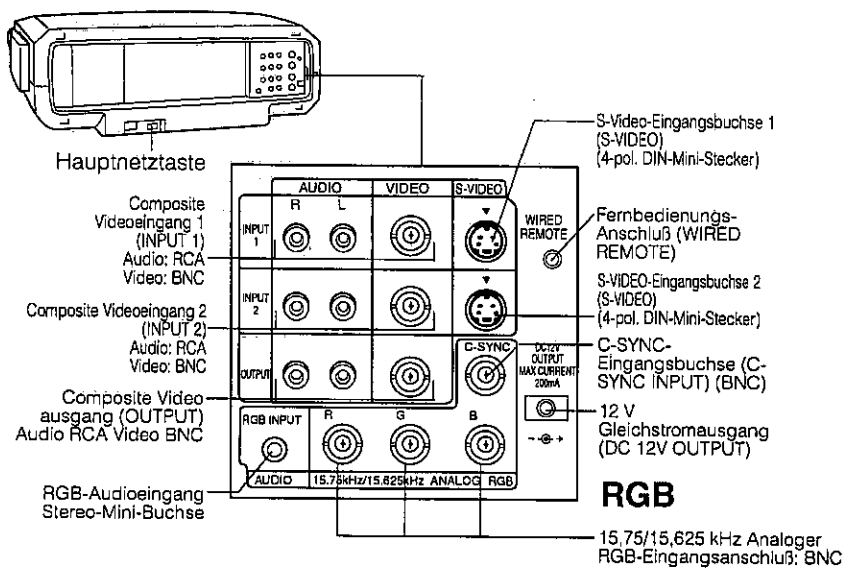
BEDIENFELD AUF DER SEITE DES PROJEKTORS

Leuchtstoff-Display

Zur Verbesserung der Ablesbarkeit sind die auf der rechten Seite befindlichen Bedienelemente mit einem Leuchtstoff-Display ausgestattet, das nach Einwirkung des Umgebungslichts im Dunkeln nachleuchtet.
(Nachleuchtstärke)
Nach ca. 10 Min. unter Sonnen- oder Kunstlicht mit 500 Lux Lichtstärke leuchtet das Display etwa 1 Stunde nach.
(**Hinweis:** 500 Lux entspricht der Lichtstärke in ca. 1 - 1,5 Meter Abstand unter einer 40-Watt-Leuchtstoffröhre)



RÜCKSEITE



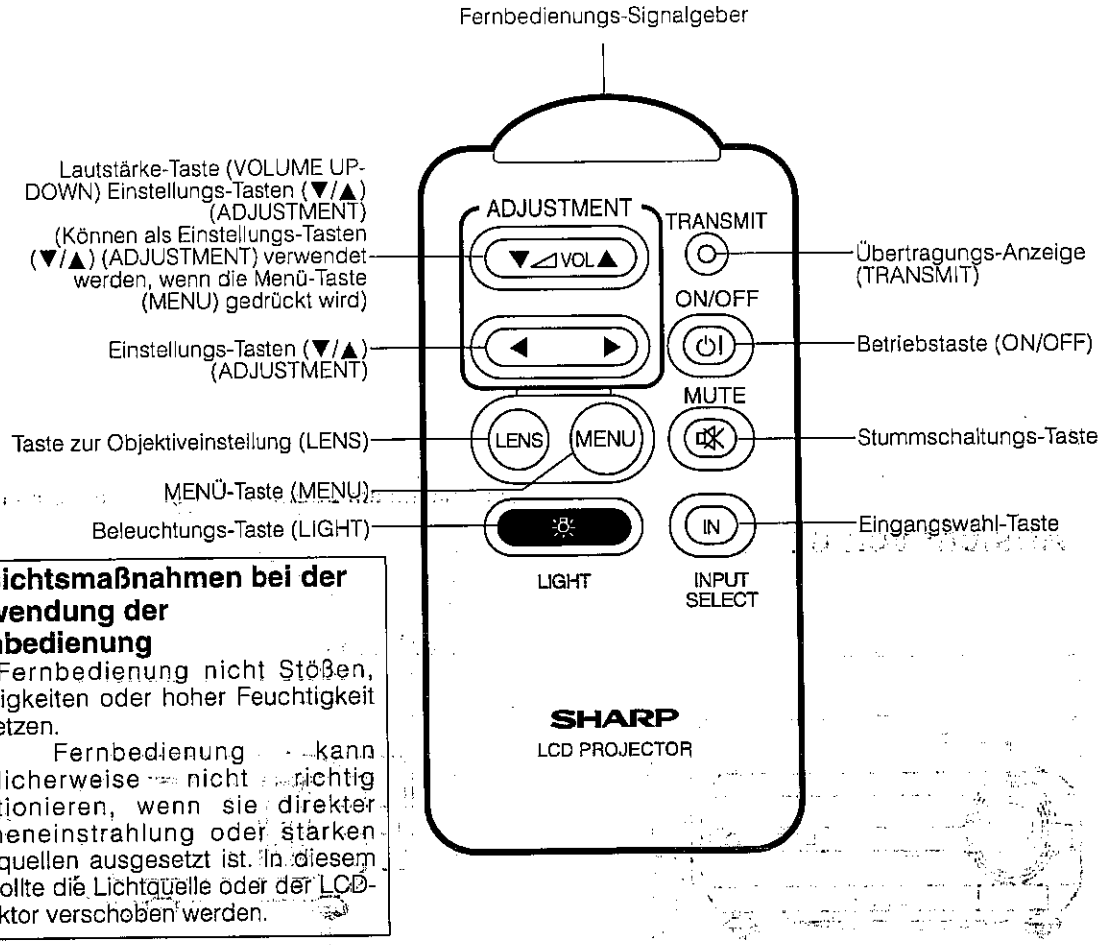
Hinweis:

- Wenn 200 mA oder mehr am 12 V Gleichstromausgang (DC 12V OUTPUT) abgenommen wird, schaltet eine Schutzschaltung automatisch den Projektor aus und stellt ihn auf die Bereitschafts-Betriebsart ein.

Fernbedienter Betrieb

Modell XV-3410S

FERNBEDIENUNG

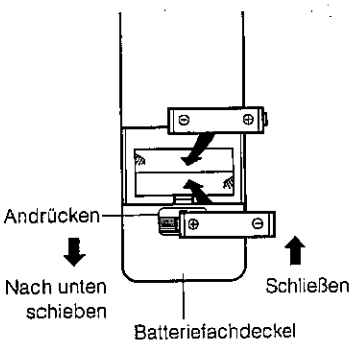


Vorsichtsmaßnahmen bei der Verwendung der Fernbedienung

Die Fernbedienung nicht Stößen, Flüssigkeiten oder hoher Feuchtigkeit aussetzen.

Die Fernbedienung kann möglicherweise nicht richtig funktionieren, wenn sie direkter Sonneneinstrahlung oder starken Lichtquellen ausgesetzt ist. In diesem Fall sollte die Lichtquelle oder der LCD-Projektor verschoben werden.

Einsetzen der Batterien

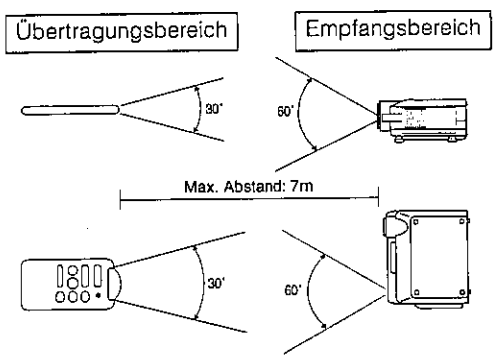


Die Batteriefachabdeckung wie gezeigt entfernen, twei Batterien (Größe AAA) einsetzen und sicherstellen, daß die Polarität den Markierungen (+) und (−) im Batteriefach entspricht.

HINWEISE:

Eine falsche Verwendung kann die Batterien zum Auslaufen oder Explodieren bringen.

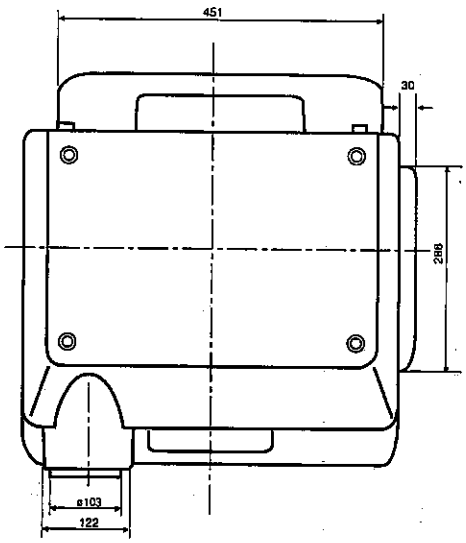
- Die Batterien unter Beachtung der (+) und (−) Pole wie gezeigt richtig einsetzen.
- Die Batterien aus der Fernbedienung entnehmen, wenn sie für längere Zeit nicht verwendet wird.
- Die Batterien immer sauber halten.
- Unterschiedliche Batteriearten nicht zusammen verwenden. Die Lebensdauer der neuen Batterien wird dadurch verkürzt und die alten Batterien können auslaufen.
- Verbrauchte Batterien sollten sofort entnommen werden, um Auslaufen und Beschädigungen zu vermeiden. Ausgelaufene Batterieflüssigkeit kann zu Hautirritationen führen. Ausgelaufene Batterieflüssigkeit mit einem Tuch entfernen.
- Wegen unterschiedlicher Lagerbedingungen können die mitgelieferten Batterien früher als angegeben verbraucht sein. Verbrauchte Batterien sollten so schnell wie möglich durch neue ausgetauscht werden.



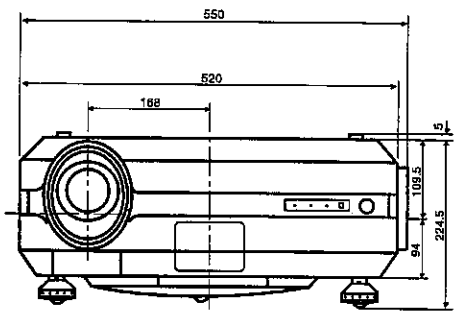
Verwendung der Fernbedienung

Die Fernbedienung wie gezeigt verwenden.

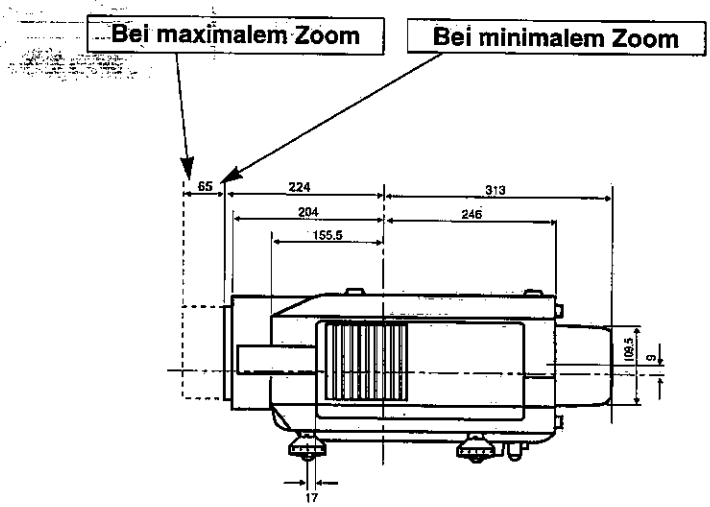
Abmessungen



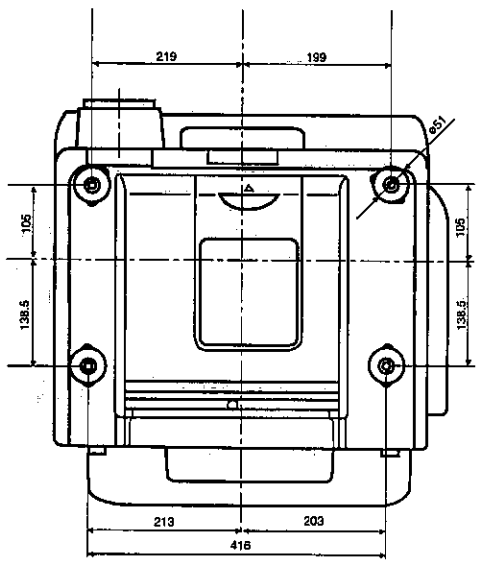
Ansicht von oben



Ansicht von vorne



Seitenansicht



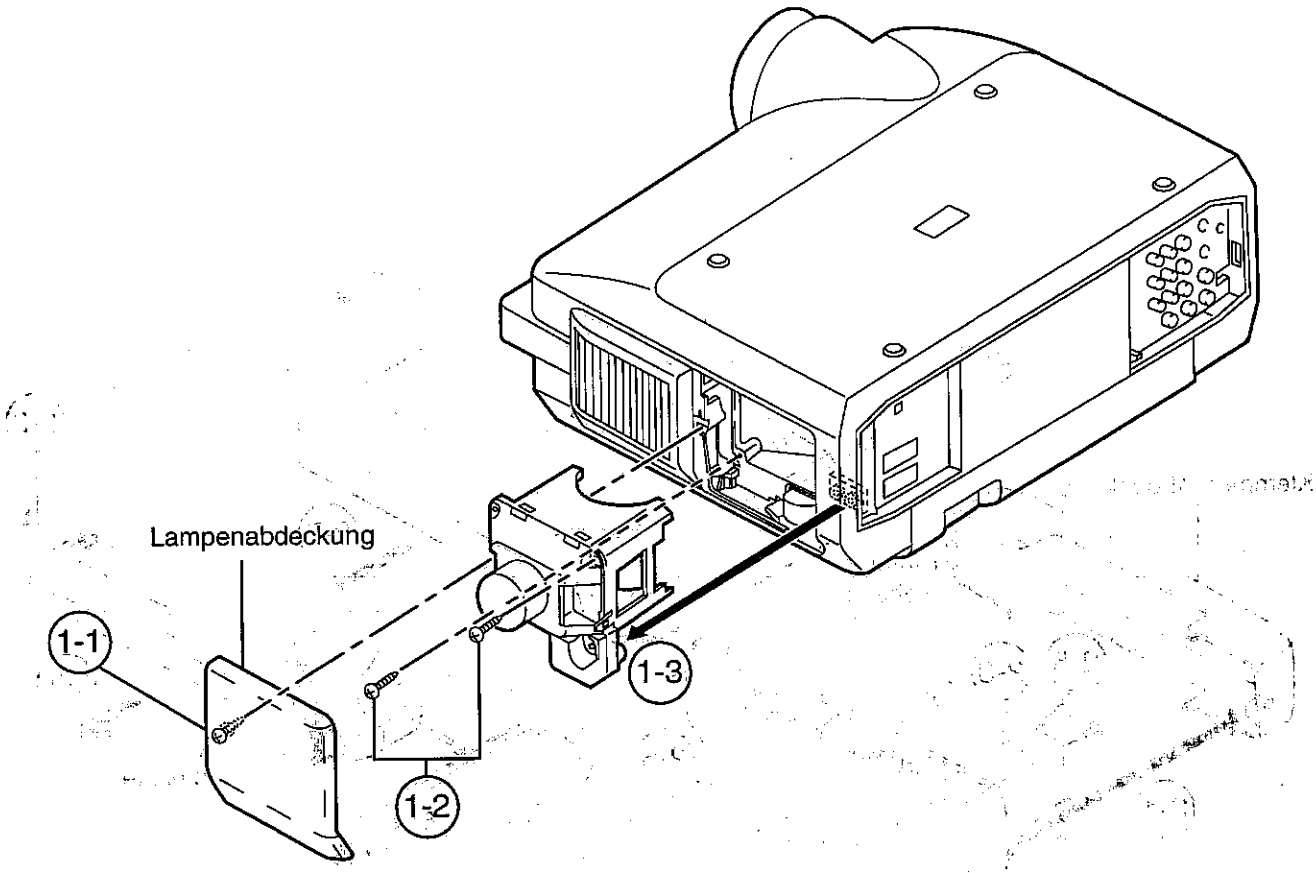
Ansicht von unten

[Einheit: mm]

ENTFERNEN DER WICHTIGSTEN TEILE

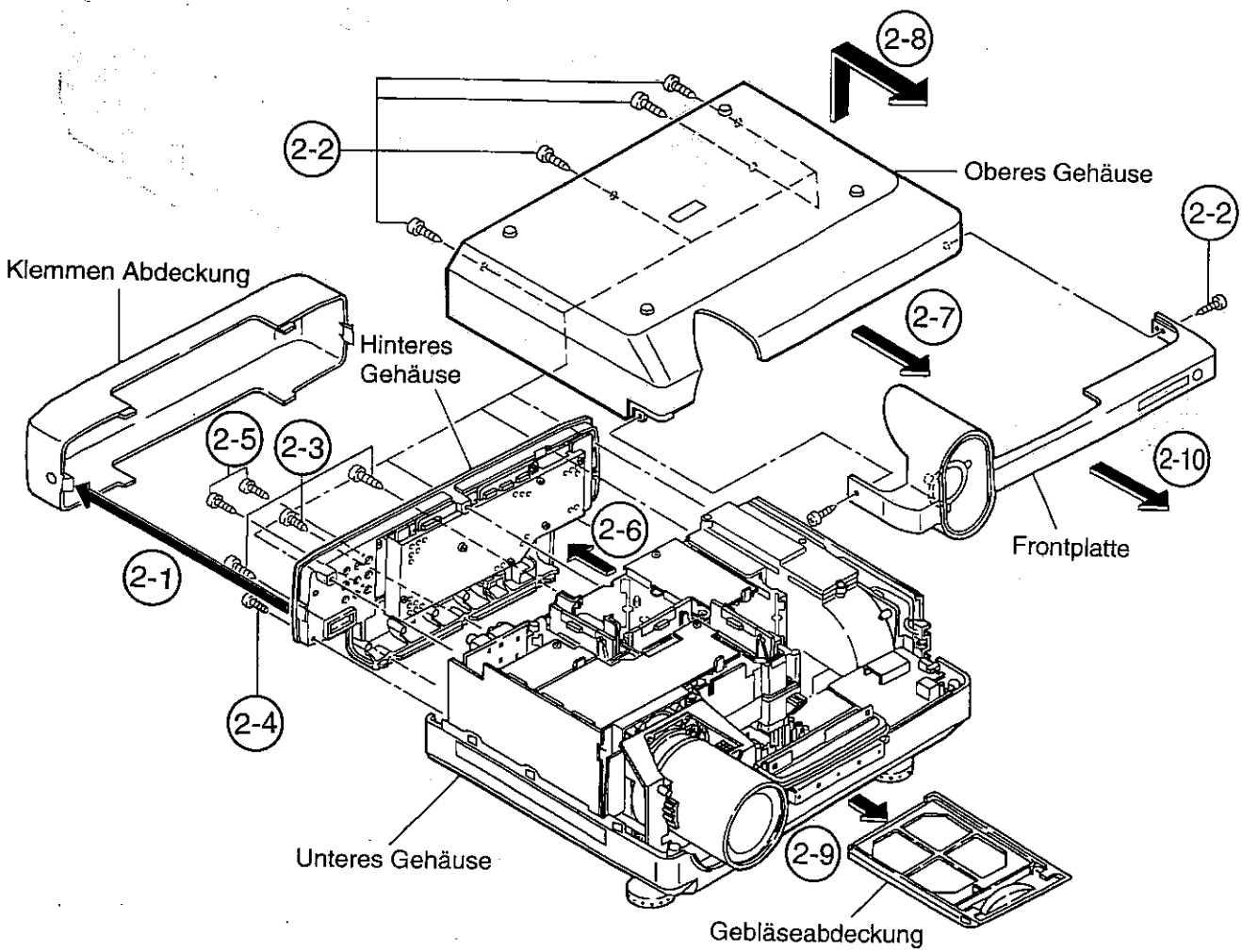
1. Entfernen der Lampeneinheit

1-1. Die Schraube von der Lampenabdeckung entfernen und die Abdeckung abnehmen.
1-2. Die zwei Schrauben von der Lampeneinheit entfernen.
1-3. Die Lampeneinheit herausziehen.



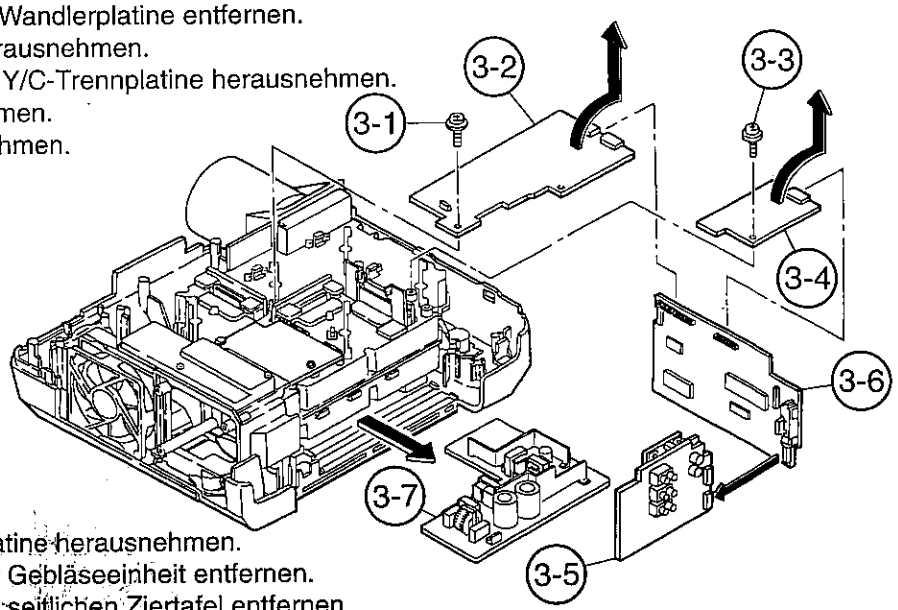
2. Entfernen des oberen und unteren Gehäuses sowie der Gebläseabdeckung

2-1. Die Haken an beiden Enden des klemmen Abdeckung lösen.
2-2. Die sechs Schrauben vom oberen Gehäuse entfernen.
2-3. Die drei Schrauben vom hinteren Gehäuse entfernen.
2-4. Die Schraube vom hinteren Gehäuse entfernen.
2-5. Die zwei Schrauben von der Eingangsplatine entfernen.
2-6. Das hintere Gehäuse abnehmen.(Das Modell XV-3410S ist nicht mit der PC-Schnittstelle ausgestattet.)
2-7. Das obere Gehäuse um etwa 10 mm nach vorne schieben.
2-8. Die Rückseite des oberen Gehäuses etwa 30 mm hoch halten und das obere Gehäuse dabei nach vorne abschieben.
2-9. Die Gebläseabdeckung abnehmen.
2-10. Das Frontplatte abnehmen.



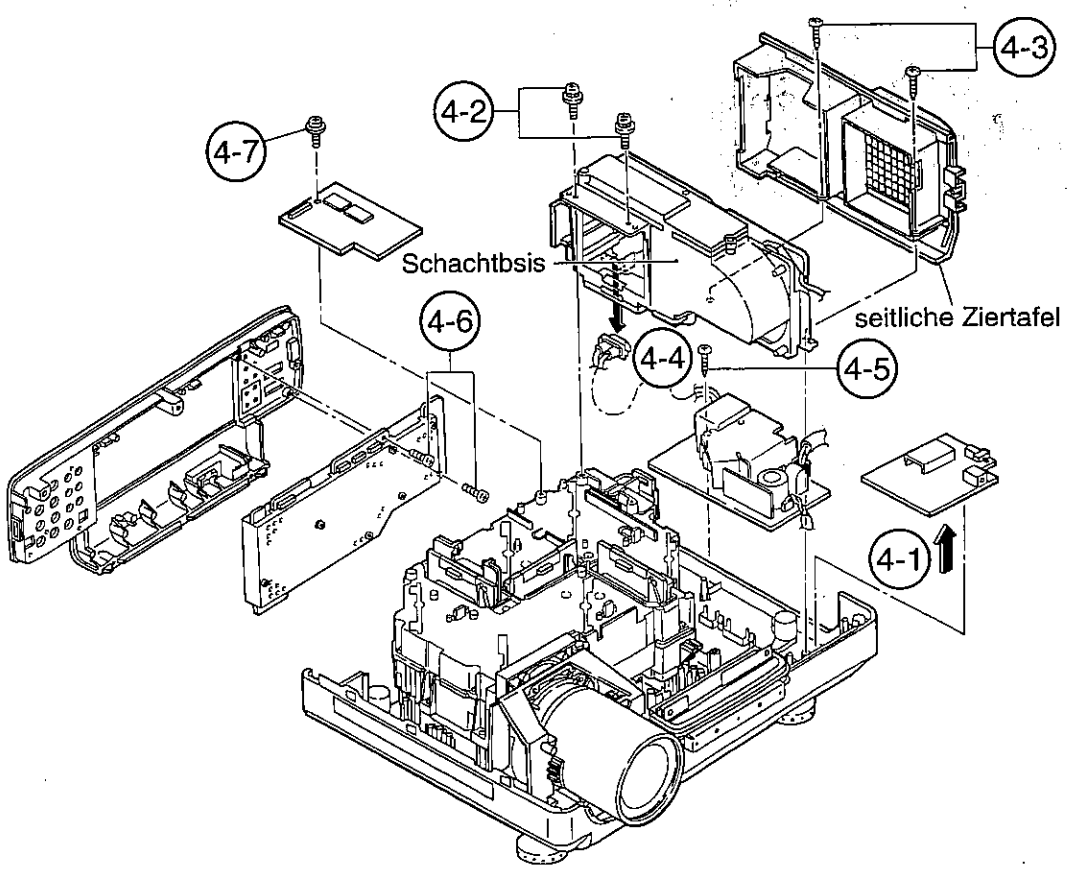
3. Entfernen der Haupt- und Nebenplatine

3-1. Die Schraube von der Steuerplatine entfernen.
3-2. Die Steuerplatine herausnehmen.
3-3. Die Schraube von der Scan-Wandlerplatine entfernen.
3-4. Die Scan-Wandlerplatine herausnehmen.
3-5. Die Eingangsplatine und die Y/C-Trennplatine herausnehmen.
3-6. Die Hauptplatine herausnehmen.
3-7. Die Netzteilplatine herausnehmen.



4. Entfernen der Platinen

4-1. Die Audioverstärker/LED-Platine herausnehmen.
4-2. Die zwei Schrauben von der Gebläseeinheit entfernen.
4-3. Die zwei Schrauben von der seitlichen Ziertafel entfernen.
4-4. Die Steckverbindung mit der Ballastplatine lösen.
4-5. Die Schraube losdrehen, um die Ballastplatine zu entfernen.
4-6. Die beiden Schrauben losdrehen, welche die PC-Schnittstelleneinheit befestigen. Danach die Schnittstelleneinheit herausnehmen.(Nur für die Modelle XG-3910E/E🄰)
4-7. Die Schraube losdrehen, welche die VGA-Verstärkereinheit befestigt. Danach die Verstärkereinheit herausnehmen.(Nur für die Modelle XG-3910E/E🄰)

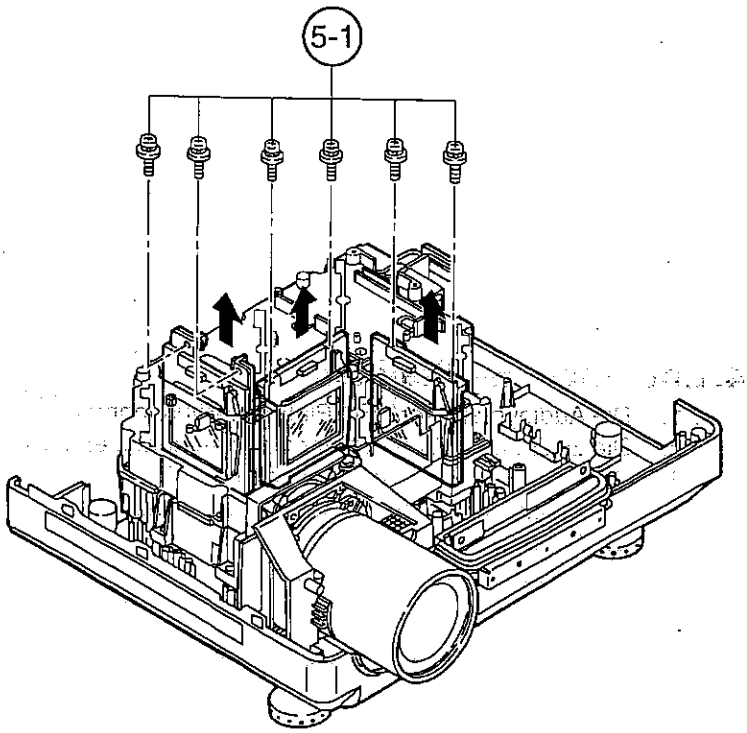


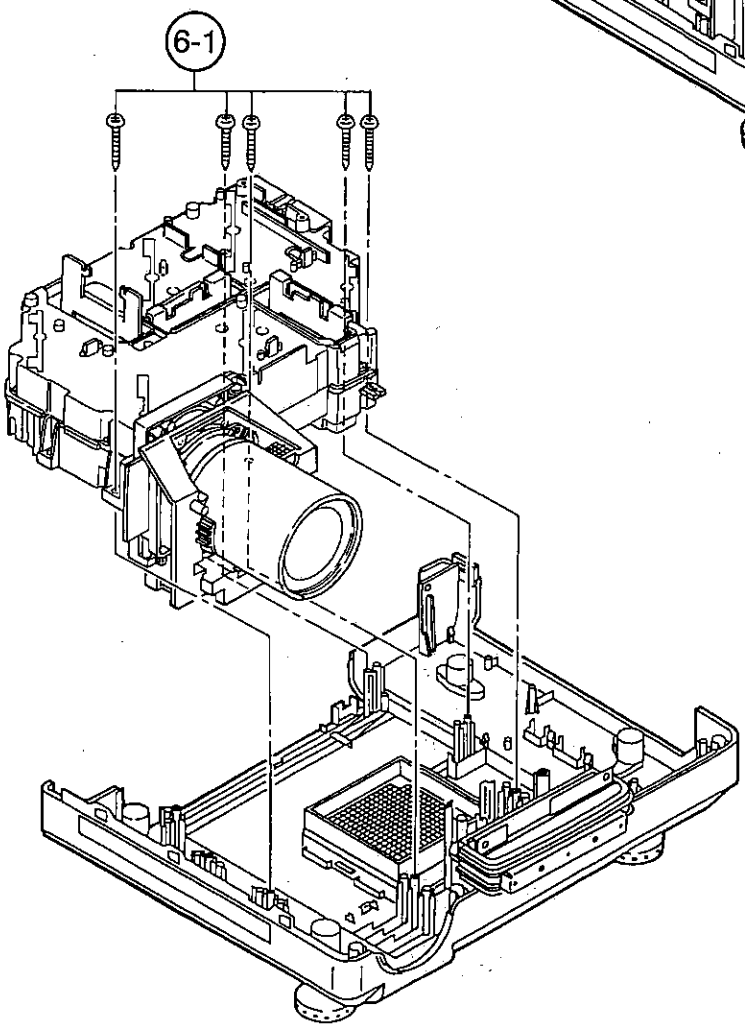
5. Auswechseln der LCD-Tafeln

5-1. Die Schrauben entfernen, je zwei von der R-, G- und B-LCD-Tafel, und die Tafeln herausnehmen.

6. Herausnehmen des optischen Mechanismus

6-1. Die fünf Schrauben vom optischen Mechanismus entfernen und dann den Mechanismus abnehmen.

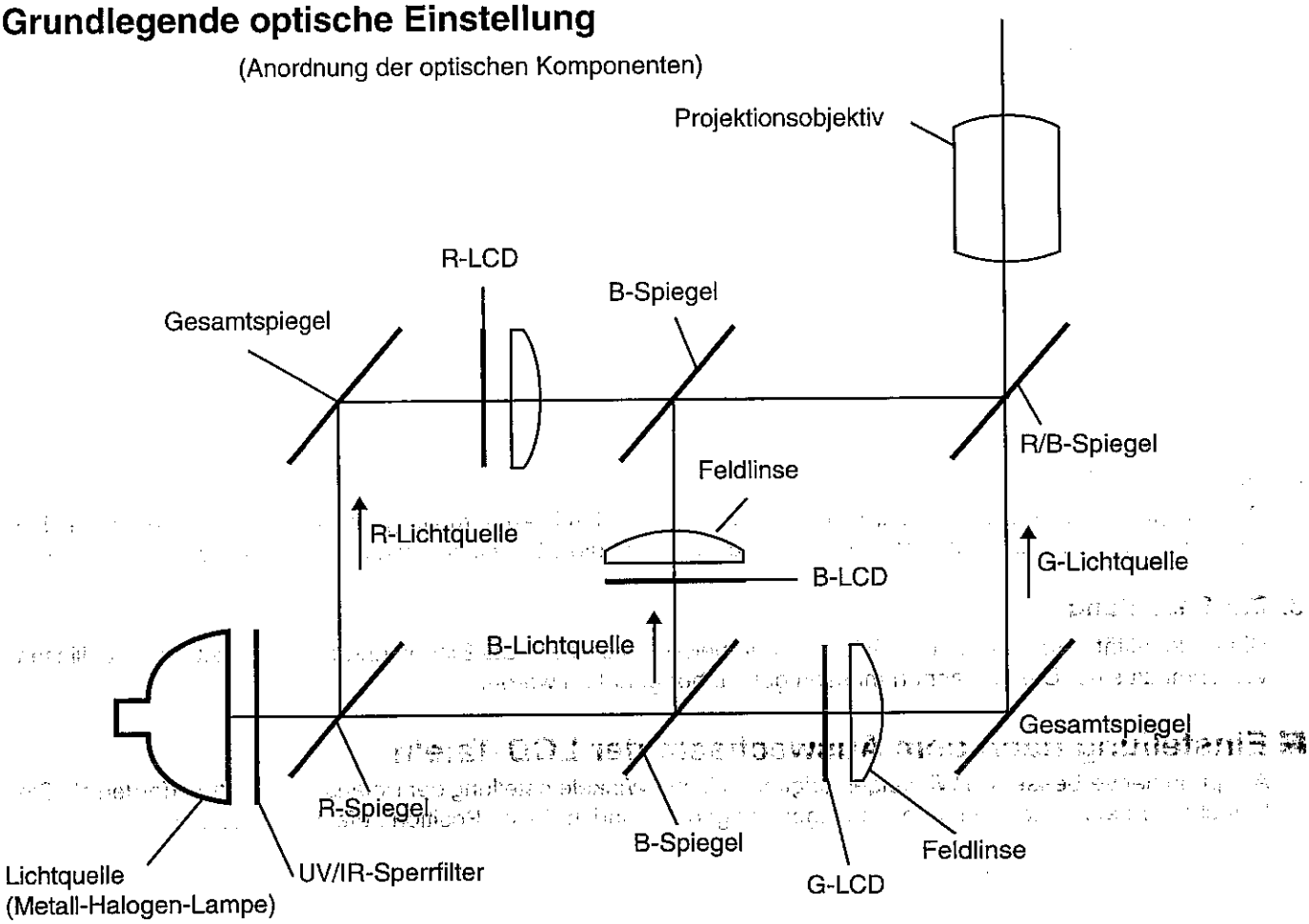




ÜBERSICHT ÜBER DIE OPTIKEINHEIT

Grundlegende optische Einstellung

(Anordnung der optischen Komponenten)



1. Einstellung der optischen Achse

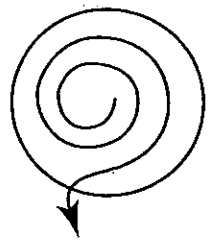
Die einstellungsfreie Optikeinheit erfordert keine Einstellung der optischen Achse. (Es ist nicht möglich, diese Einstellung durchzuführen.)

2. LCD-Einstellung

R: R-LCD-Einheit - Feldlinse - R/B-Spiegel - Projektionsobjektiv
G: R-LCD-Einheit - Feldlinse - Gesamtspiegel - Projektionsobjektiv
B: R-LCD-Einheit - Feldlinse - B-Spiegel - R/B-Spiegel - Projektionsobjektiv
Jede der LCD-Einheiten kann eingestellt werden, um den Bildwinkel und die Fokussierung zu verbessern.

■ Reinigung der Linsen und Spiegel

1. Linsenreinigung



- Reinigungsmittel:
  Das Mischungsverhältnis von Alkohol und Äther in Abhängigkeit von der Umgebungstemperatur ändern. Das beste Mischungsverhältnis ist, wenn die Flüssigkeit unmittelbar nach dem Reinigen von der Linsenoberfläche verdampft. Je mehr Äther enthalten ist, desto schneller verdampft die Flüssigkeit.
- Methode
  Gut gewaschene, gebleichte Baumwolle oder im Fachhandel erhältliches Reinigungspapier verwenden. Die Linse zwischen der gebleichten Baumwolle, die mit der Flüssigkeit befeuchtet wurde, mit dem Daumen und Zeigefinger halten. Die Linse drehen und von der Mitte ausgehend zum Rand hin reinigen, um den Staub aufzusammeln. Es muß darauf geachtet werden, die vergütete Oberfläche nicht zu stark zu reiben.

2. Spiegelreinigung

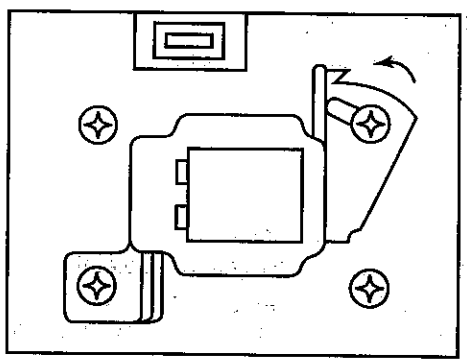
Die Spiegel niemals stark reiben, weil ihre Oberflächen durch Aufdampfung beschichtet sind. Zuerst Alkohol verwenden und mit einem trockenen Tuch wischen, wenn die Oberfläche etwas verschmutzt ist.

3. Zur Beachtung

Die Bildqualität wird stark beeinträchtigt, wenn beide Seiten der LCD-Einheit und die LCD-Seite der Feldlinsen verschmutzt sind. Diese Flächen müssen gut sauber gehalten werden.

■ Einstellung nach dem Auswechseln der LCD-Tafeln

Aufgrund der verbesserten Winkelgenauigkeit ist keine Winkeleinstellung der Polarisationsplatte erforderlich. Sie braucht nur ganz entgegen dem Uhrzeigersinn gedreht und in dieser Position befestigt zu werden.



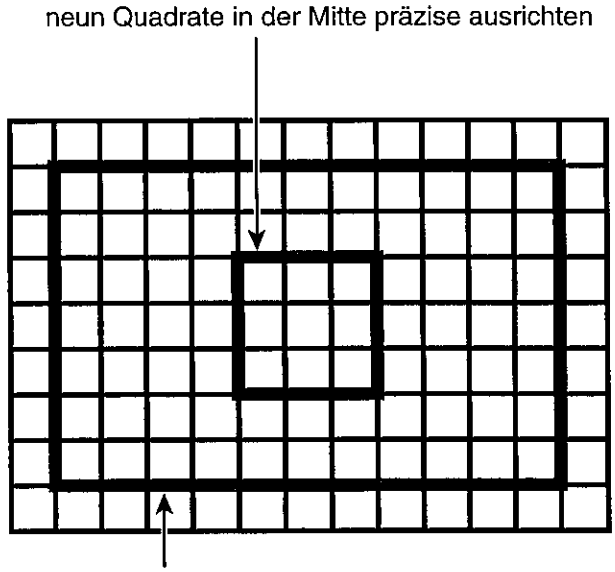
■ X- und Y-Einstellung

1. Benötigte Werkzeuge

(1) Mustergenerator

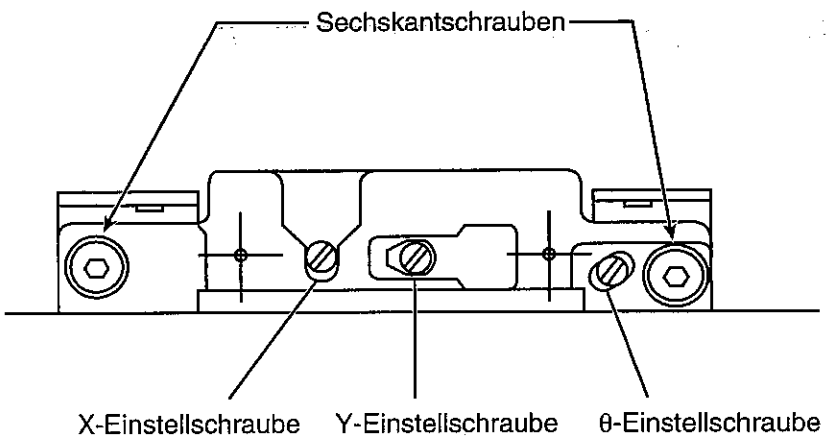
2. Einstellungsreferenzen

(1) Die G-Tafel als Referenz verwenden. Die R- und die B-Tafel auf die G-Tafel abstimmen.
(2) Die neun Quadrate in der Mitte präzise mit dem Projektionsmuster ausrichten.
(3) Die äußersten Linien müssen so weit wie möglich überlappt werden.


neun Quadrate in der Mitte präzise ausrichten
äußerste Linien müssen so weit wie möglich überlappt werden (für jede Farbe)

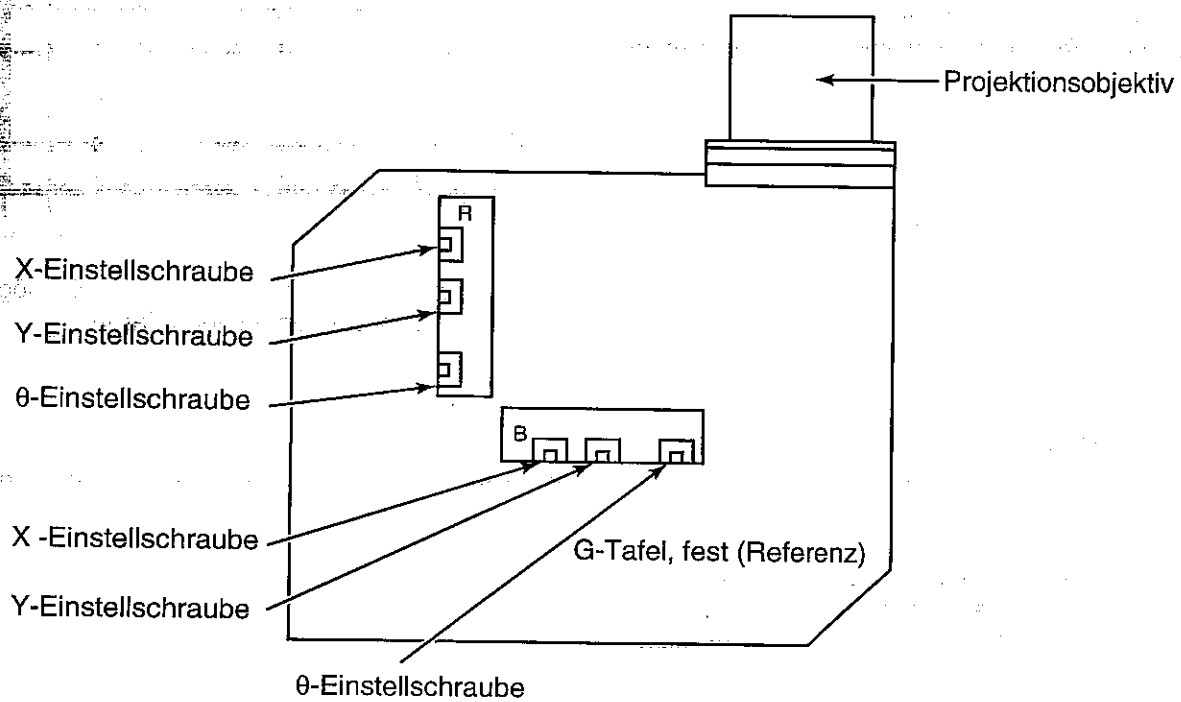
3. Einstellverfahren

(1) Für die R-LCD-Tafel und die B-LCD-Tafel jeweils zwei Sechskantschrauben lösen (insgesamt 4 Schrauben).
(2) Das Gittersignal vom Mustergenerator zuführen.
(3) Die R-LCD-Tafel ausrichten.
- Die Abschirmplatte vor die B-LCD-Tafel setzen (um die B-Lichtquelle zu sperren).
- Die X-Achse für die horizontale Richtung einstellen.
- Die Y-Achse für die vertikale Richtung einstellen.
- Die θ-Richtung für Neigung einstellen.



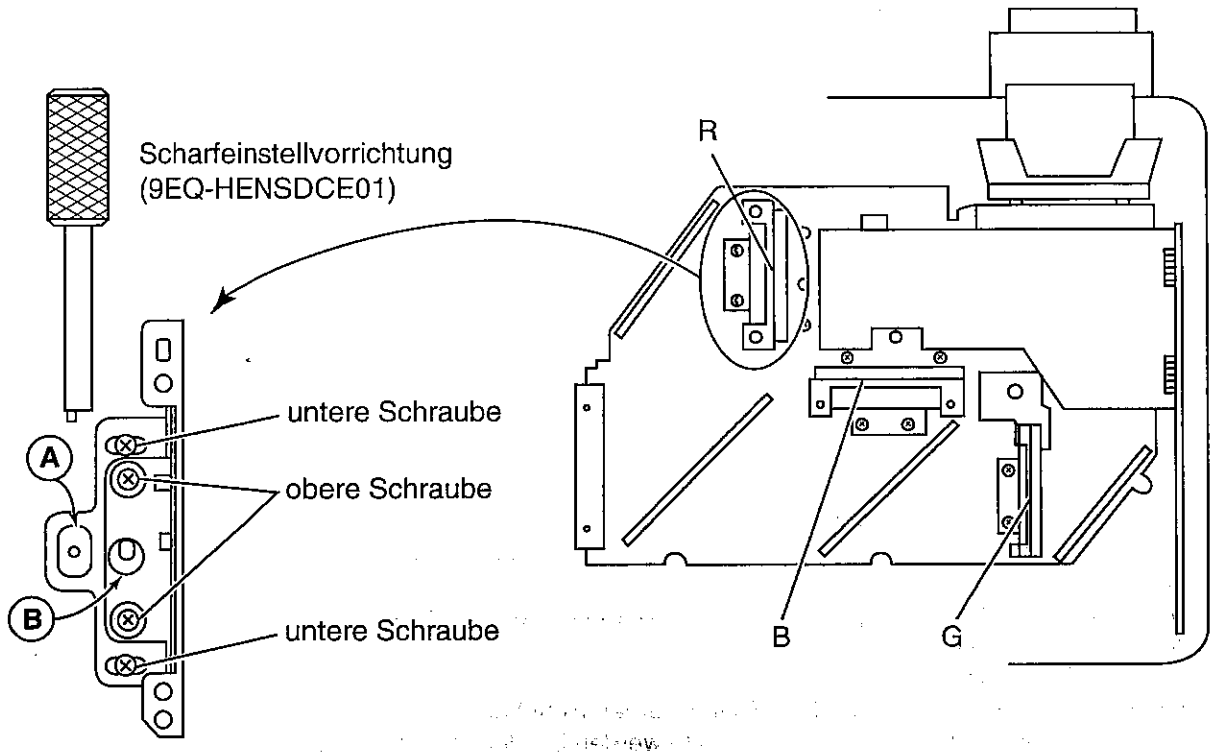
(4) Die B-LCD-Tafel ausrichten.
- Die Abschirmplatte vor die R-LCD-Tafel setzen (um die R-Lichtquelle zu sperren).
- Die B-Quadrate auf die G-Quadrate überlappen.
- Die X-Achse für die horizontale Richtung einstellen.
- Die Y-Achse für die vertikale Richtung einstellen.
- Die θ-Richtung für Neigung einstellen.

(5) Die vier Sechskantschrauben (die im obigen Schritt (1) gelöst wurden) auf 13 ±1 kg-cm anziehen.



Einstellschraube	Drehrichtung	R	B
θ	im Uhrzeigersinn	rechte Seite nach oben	rechte Seite nach unten
	entgegen dem Uhrzeigersinn	rechte Seite nach unten	rechte Seite nach oben
Y	im Uhrzeigersinn	abgesenkt	angehoben
	entgegen dem Uhrzeigersinn	angehoben	abgesenkt
X	im Uhrzeigersinn	nach rechts bewegt	nach links bewegt
	entgegen dem Uhrzeigersinn	nach links bewegt	nach rechts bewegt

EINSTELLUNG DER SCHÄRFE



Draufsicht der Wandler für die Farben rot und blau

1. Das vordere Gehäuse herausnehmen.
2. Das obere Gehäuse herausnehmen.
3. Das Gerät hinstellen, wie oben dargestellt (Draufsicht). Das Projektionsobjektiv scharf für die Farbe grün einstellen. (Die rote und blaue Farbe unterdrücken.)
4. Die zwei oberen Schrauben und die zwei unteren Schrauben (insgesamt vier) lösen, wie links dargestellt, um den Wandler für die Farbe rot zu lösen.
5. Während die Farben grün und blau unterdrückt werden (bei eingeführter Lichtabschirmplatte), wird nur die rote Farbe durchgelassen.
   Die folgenden Schritte ausführen, während der rote Bildschirm verfolgt wird.

5-1. Wenn der obere Bereich des Bildschirms unscharf ist, den exzentrischen Stift (an der Spitze der Scharfeinstellvorrichtung) in das Loch von Teil A einsetzen (an der Unterseite des Rot-Farbwandlers) und die Scharfeinstellvorrichtung drehen.
   Dadurch schwingt der untere Bereich des Rot-Farbwandlers je nach Lichtflußrichtung vor und zurück. Dabei wird der obere Bereich des Bildschirms scharfgestellt. Beobachten Sie den Bildschirm um die beste Schärfe einzustellen.
   Schließlich sind die unteren Schrauben festzuziehen.

5-2. Wenn der untere Bereich des Bildschirms unscharf ist, den exzentrischen Stift (an der Spitze der Scharfeinstellvorrichtung) in das ovale Loch von Teil B einsetzen (an der Oberseite des Rot-Farbwandlers) und die Scharfeinstellvorrichtung drehen.
   Dadurch schwingt der untere Bereich des Wandlers für die rote Farbe ja nach Lichtflußrichtung vor und zurück. Dabei wird der obers Bereich des Bildschirms scharfgestellt. Beobachten Sie den Bildschirm und stellen Sie die Schärfe ein.
   Schließlich sind die oberen Schrauben festzuziehen.

5-3. Nachdem der untere Bereich des Bildschirms scharf eingestellt ist, kann der obere Bildschirmbereich eventuell wieder unscharf werden. In diesem Fall sind die unteren Schrauben wieder zu lockern und die Verfahrensschritte von 5-1 zu wiederholen.
   Schließlich sind die unteren Schrauben erneut festzuziehen.

6. Die obigen vier Schrauben wieder anziehen.
7. Die gleichen Schritte 4. bis 6. durchführen, um die Schärfe für die Farbe blau einzustellen.
8. Das obere und vordere Gehäuse wieder anbringen.

ADJ.IN-FUNKTION

1. Übersicht
   Diese Funktion ist zur Durchführung verschiedener Einstellungen mit dem ADJ.IN-Schalter (S2001) und dem Membranschalter des Projektors vorgesehen.
2. Verwendete Tasten
   [S2001], [MENU], [INPUT SELECT], [SELECT UP:▲], [SELECT DOWN:▼], [ADJUST+:>], [ADJUST-:<], [VIDEO +/-], [BRIGHT +/-], [COLOR +/-] und [TINT +/-]
3. Speicherung der letzten Einstellungen
   Einstellelemente: Die vorherigen Einstellungen im ADJ.IN-Modus werden gespeichert.
   Einstelldaten für alle Elemente
4. Verfahren
   4-1. Den ADJ.IN-Modus mit dem Schalter [ADJ.IN] abrufen.
   4-2. Mit den Tasten [SELECT UP], [SELECT DOWN], [ADJUST+] und [ADJUST-] die gewünschte Gruppe der Einstellelemente wählen. Die Taste [MENU] drücken.
   4-3. Mit den Tasten ▲, ▼, < und > das gewünschte Einstellelement in der Gruppe auswählen. Die Taste [MENU] drücken. (Durch Betätigung der Taste ▲ oder ▼ wechseln die Einstellelemente in der Gruppe nacheinander.)
   4-4. Die Taste [INPUT SELECT] drücken, dann erscheint das unmittelbar zuvor angezeigte Einstellelement wieder auf dem Bildschirm.
   4-5. Wenn der Schalter [ADJ.IN] im ADJ.IN-Modus gedrückt wird, wird der Modus deaktiviert. (Sämtliche Anzeigen im ADJ.IN-Modus erfolgen auf Englisch.)
5. Gruppen von Einstellelementen
   Hinweis: Die Posten in der LINE-Spalte werden nicht benutzt.
   Die Posten in der RGB 2-Spalte werden bei den Modellen XG-3910E/E[A] angewendet.

VIDEO 1	VIDEO 2	VIDEO 3	RGB 1	RGB 2	N • W	LENS	MASK	LINE
SUB-DC	R-BIAS	PAL-H	SUB-C	PICTURE	RED	AUTO	TOP	L1
SUB-C	R-DRIVE	PAL-S-C	PICTURE	BRIGHT	GREEN	POINT	BOTTOM	L2
TINT	B-BIAS	PN-AMP		R-DRIVE	BLUE			L3
COLOR	B-DRIVE	BELL-FO		B-DRIVE	N • W			L4
BRIGHT	W-RGB	SCM-R		PULSE	R+G			OFF TIMER
PICTURE	W-R	SCM-B		H-PHASE	B+G			TEMP1
POWER	W-B	SCM-AMP						TEMP2
	CB-R							
	CB-G							
	CB-B							

Im Video-Eingangsmodus: VIDEO 1-3, LENS, MASK, N.W
Im RGB 1-Eingangsmodus: RGB 1, LENS, N.W
Im RGB 2-Eingangsmodus: RGV 2, LENS, N.W

DAC-BETRIEB

VIDEO 1
- SUB-DC: Einstellung für Nebengleichspannung
- SUB-C: Einstellung für Nebenkontrast
- TINT: Farbtoneinstellung
- COLOR: Farbeinstellung
- BRIGHT: Helligkeitseinstellung
- PICTURE: Bildeinstellung
- POWER: Nicht verwendet

VIDEO 2
- R-BIAS: Einstellung der Weißbalance-Vormagnetisierung (rot)
- R-DRIVE: Einstellung der Weißbalance-Ansteuerung (rot)
- B-BIAS: Einstellung der Weißbalance-Vormagnetisierung (blau)
- B-DRIVE: Einstellung der Weißbalance-Ansteuerung (blau)
- W-RBG: Nicht verwendet
- W-R: Nicht verwendet
- W-B: Nicht verwendet
- CB-R: Einstellung der Gegen-Vormagnetisierung nur für rot
- CB-G: Einstellung der Gegen-Vormagnetisierung nur für grün
- CB-B: Einstellung der Gegen-Vormagnetisierung nur für blau

VIDEO 3
- PAL-H: Einstellung der Horizontalphase
- PAL-S-C: Einstellung des Nebenkontrasts
- PN-AMP: Nicht verwendet
- BELL-FO: Glockenfilter-Einstellung
- SCM-R: SECAM R-Y-Einstellung
- SCM-B: SECAM B-Y-Einstellung
- SCM-AMP: SECAM-Amplitudeneinstellung

RGB 1
- SUB-C: Nicht verwendet
- PICTURE: Einstellung für Nebenkontrast

RGB 2
- PICTURE: Nicht verwendet
- BRIGHT: Nicht verwendet
- R-DRIVE: Nicht verwendet
- B-DRIVE: Nicht verwendet
- PULSE: Nicht verwendet
- H-PHASE: Einstellung der Horizontalphase

N.W Einzelfarbanzeigen
- RED: Rot
- GREEN: Grün
- BLUE: Blau
- N.W: Weiß
- R+G: Rot + Grün
- B+G: Blau + Grün

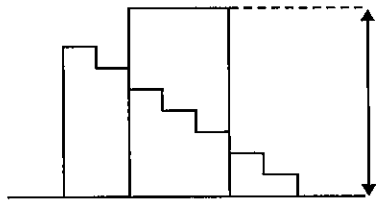
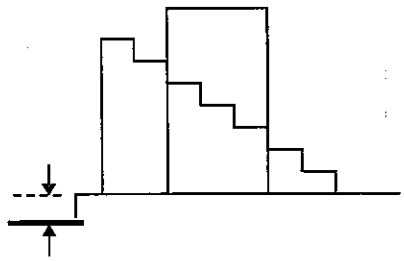
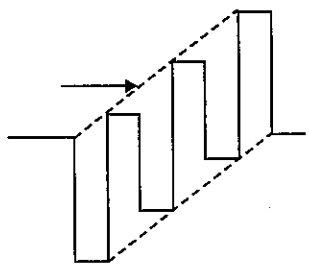
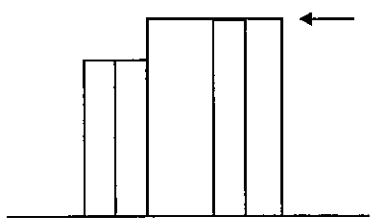
LENS Einstellungen der Objektivversetzung
- AUTO: Versetzungseinstellung
- POINT: Nicht verwendet

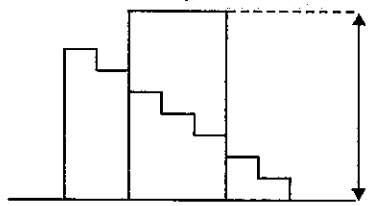
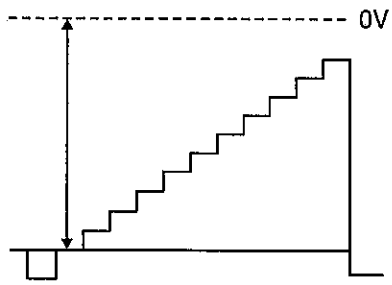
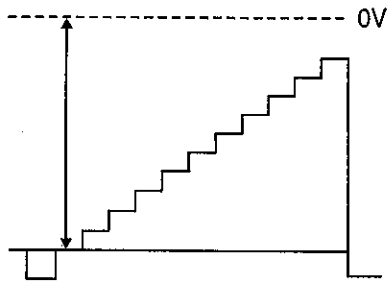
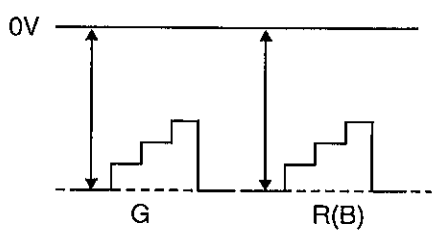
MASK Maskierungseinstellungen
- TOP: Maskierungsposition für obere Bildschirmhälfte
- BOTTOM: Maskierungsposition für untere Bildschirmhälfte

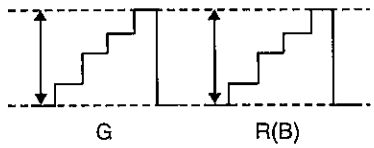
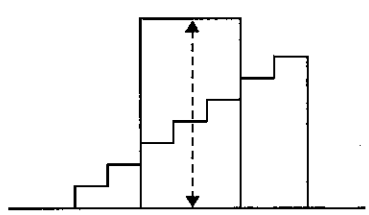
ELEKTRISCHE EINSTELLUNG

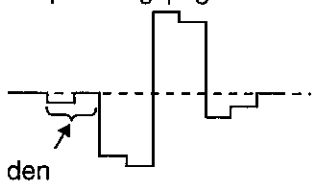
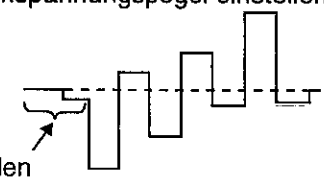
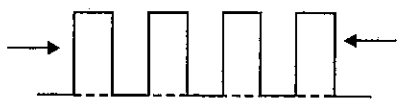
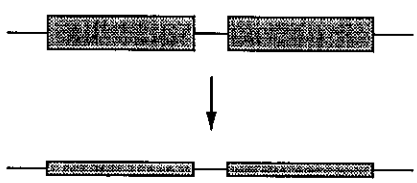
HINWEIS: Die Einstellungen wurden ab Werk optimal vorgenommen. Falls jedoch Einstellungen nicht mehr den Vorgaben entsprechen oder wenn wichtige Teile ausgewechselt wurden, müssen die entsprechenden Einstellungen neu durchgeführt werden.

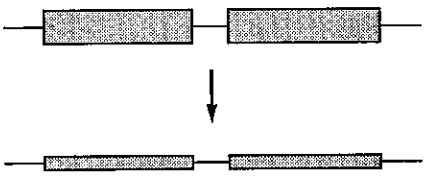
Schritt	Einstellposition	Einstellbedingungen	Einstellmethode
1	**Position der Objektivversetzung**	1. Die Objektivversetzung im Versandzustand belassen (Standardposition). Den folgenden Modus einstellen. Gruppe: LENS Gegenstand: AUTO	• DAC (+) drücken. Der Mikroprozessor bewirkt automatisch die Objektivversetzung und speichert Daten. Hinweis: Vorsicht, daß nicht gegen das Objektiv geschlagen wird.
2	**VCO primär** **OSC** **L1601** **(Steuereinheit)**	1. Das Monoskop-Mustersignal empfangen. 2. S1601 drücken.	• L1601 so einstellen, daß das Bild in Horizontal-Synchronisierung auf dem Bildschirm erscheint. Danach den Schalter wieder freigeben.
3	**H-Mitte** **R1603**	1. Das Monoskop-Mustersignal empfangen.	• R1603 so einstellen, daß das Bild in der vertikalen Mitte des Bilds symmetrisch erscheint.
4	**Abtastwandlung (Abtastwandler-Einheit)** **OSC** **L4101**	1. Einen Kurzschluß zwischen TP4101 und Masse herstellen. 2. Den Frequenzzähler zwischen TP4102 und Masse anschließen. 3. Den Kurzschluß wieder aufheben.	• L4101 so einstellen, daß der Frequenzzähler 15.625±0.01 kHz anzeigt.
5	**Y/C-Trennung, Y-Ausgang** **R5066**	1. Das NTSC-Farbbalkensignal empfangen. 2. Das Oszilloskop zwischen TP810 und Masse anschließen.	• R5066 so einstellen, daß die Amplitude des Y-Signals 0.75 ±0.05 Vss beträgt.
6	**Chroma-Trap** **N443** **T4001**	1. Das PAL-Farbbalkensignal empfangen. 2. Das Oszilloskop zwischen TP4001 und Masse anschließen.	• T4001 so einstellen, daß der Chroma-Signalpegel den Minimalwert aufweist.
7	**SECAM-Trap** **T4002**	1. Das SECAM-Farbbalkensignal empfangen. 2. Das Oszilloskop zwischen TP4001 und Masse anschließen.	• T4002 so einstellen, daß der Chroma-Signalpegel den Minimalwert aufweist.
8	**Nebenkontrast**	1. S2001 drücken, um den folgenden Modus zu aktivieren: Gruppe: VIDEO 1 Gegenstand: SUB-C	• Sicherstellen, daß die numerische Eingabe 0 (Null) entspricht.

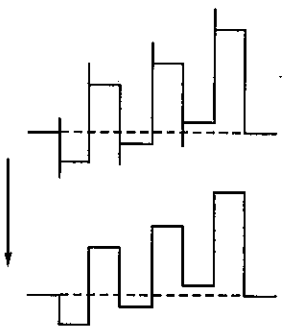
Schritt	Einstellposition	Einstellbedingung	Einstellverfahren
9	**AGC (Grobeinstellung) R1539 (Haupteinheit)**	1. Das NTSC-Farbbalkensignal empfangen. 2. Das Oszilloskop zwischen Stift (6) von SC801 und Masse anschließen.	• R1539 so einstellen, daß der Signalpegel zwischen der Schwarzabhebung und dem Weißanteil 3.0 ±0.05 Vss beträgt. 
10	**Neben-DC (DAC)**	1. Das NTSC-Farbbalkensignal empfangen. 2. S2001 drücken und den folgenden DAC-Modus einstellen: Gruppe: VIDEO 1 Gegenstand: Nebengleichstrom 3. Das Oszilloskop zwischen Stift (5) von SC801 [G OUT-Stift (17) von IC801] und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter den Pegel zwischen dem Schwarzanteil und der Schwarzabhebung auf 0.32 ±0.05 Vss einstellen. 
11	**Farbton (DAC)**	1. Das NTSC-Farbbalkensignal empfangen. 2. S2001 drücken und den folgenden DAC-Modus einstellen: Gruppe: VIDEO 1 Gegenstand: TINT 3. Das Oszilloskop zwischen TP802 [B-Y OUT-Stift (41) von IC801] und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter die B-Y-Wellenform so einstellen, daß die Cyan- und Magentaanteile entlang einer geraden Linie verlaufen. 
12	**Farbe (DAC)**	1. Das NTSC-Farbbalkensignal empfangen. 2. S2001 drücken und den folgenden DAC-Modus einstellen: Gruppe: VIDEO 1 Gegenstand: COLOR 3. Das Oszilloskop zwischen Stift (6) von SC801 [RB OUT-Stift (16) von IC801] und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter den Primär-R-Ausgangspegel auf den Weißpegel von 100% einstellen. 

Schritt	Einstellposition	Einstellbedingung	Einstellverfahren
13	**AGC** **R1539** **(Haupteinheit)**	1. Das NTSC-Farbbalkensignal empfangen. 2. Das Oszilloskop zwischen Stift (6) von SC801 und Masse anschließen.	• R1539 so einstellen, daß der Signalpegel zwischen der Schwarzabhebung und dem Weißanteil 3.0 ±0.05 Vss beträgt. 
14	**Helligkeit**	1. Das 10-Stufen-Grauskalasignal empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: VIDEO 1 Gegenstand: BRIGHT 3. Das Oszilloskop zwischen Stift (5) von SC1501 und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter den Schwarzpegel (0 auf der Skala) auf -5.0±0.05 Vss (Gleichspannung) einstellen. 
15	**Bild**	1. Das 10-Stufen-Grauskalasignal empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: VIDEO 1 Gegenstand: PICTURE 3. Das Oszilloskop zwischen Stift (5) von SC1501 und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter den Signalpegel zwischen den Schwarz- und Weißanteilen auf 3.3±0.05 Vss einstellen. 
16	**Vorspannung** **R-BIAS** **B-BIAS**	1. Das 10-Stufen-Grauskalasignal empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: VIDEO 2 Gegenstand: R-BIAS (B-BIAS) 3. CH1 am Oszilloskop zwischen Stift (5) von SC1501 und Masse anschließen. 4. CH2 am Oszilloskop zwischen Stift (4) (RED) von SC1501 [Stift (3) (BLUE) von SC1501] und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter den Gleichspannungspegel (0 auf der Skala) auf den G-Ausgangspegel einstellen. 

Schritt	Einstellposition	Einstellbedingung	Einstellverfahren
17	**Ansteuerung** **R-DRIVE** **B-DRIVE**	1. Das 10-Stufen-Grauskalasignal empfangen. 2. R1505 ganz nach rechts drehen. 3. S2001 drücken und den folgenden Modus einstellen: Gruppe: VIDEO 1 Gegenstand: R-DRIVE (B-DRIVE) 4. CH1 am Oszilloskop zwischen Stift (5) von SC1501 und Masse anschließen. 5. CH2 am Oszilloskop zwischen Stift (4) (RED) von SC1501 [Stift (3) (BLUE) von SC1501] und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter die gleichen Wellenformen einstellen. 
18	**γ-Korrektur** **R1989** **R1978**	1. Das 10-Stufen-Grauskalasignal empfangen. 2. Das Gleichstrom-Voltmeter zwischen Stift (1) von P1901 und Masse anschließen. 3. Das Gleichstrom-Voltmeter zwischen Stift (2) von P1901 und Masse anschließen.	• R1989 so einstellen, daß das Voltmeter -4.0±0.05 V anzeigt. • R1978 so einstellen, daß das Voltmeter -3.4±0.05 V anzeigt.
19	**Weiß-zu-Weiß-Pegel** **R1963**	1. Das 10-Stufen-Grauskalasignal empfangen. 2. Das Oszilloskop zwischen Stift (3) (G OUT) von TP180 und Masse anschließen.	• R1963 so einstellen, daß der Signalpegel zwischen den Weißanteilen 2.60±0.05 Vss beträgt.
20	**PAL-Nebenkontrast** **(DAC)**	1. Das PAL-Farbbalkensignal empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: VIDEO 3 Gegenstand: PAL-SUB-C 3. Das Oszilloskop zwischen Stift (5) von SC1501 und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter den Signalpegel zwischen den Schwarz- und Weißanteilen (negative Polarität) auf 3.3±0.1 Vss einstellen. 

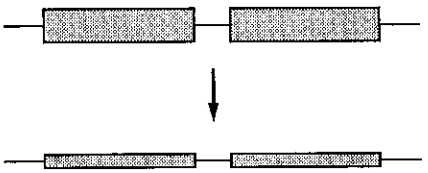
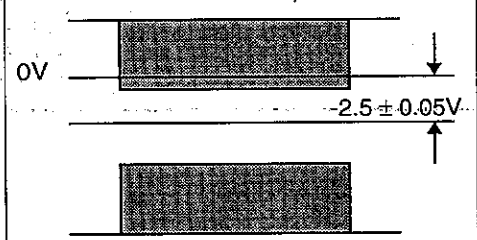
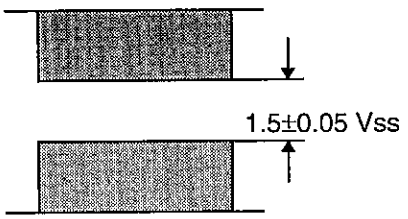
Schritt	Einstellposition	Einstellbedingung	Einstellverfahren
21	**SECAM R-Y (DAC)**	1. Das SECAM-Farbbalkensignal empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: VIDEO 3 Gegenstand: SCM-R-Y 3. Das Oszilloskop zwischen TP809 [Stift (30) IC802] und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter die gleichen Gleichspannungspegel einstellen.  Muß den gleichen Pegel aufweisen.
22	**SECAM B-Y (DAC)**	1. Das SECAM-Farbbalkensignal empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: VIDEO 3 Gegenstand: SCM-B-Y 3. Das Oszilloskop zwischen TP808 [Stift (29) IC802] und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter die gleichen Gleichspannungspegel einstellen.  Muß den gleichen Pegel aufweisen.
23	**SECAM-Amplitude (DAC)**	1. Das SECAM-Farbbalkensignal empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: VIDEO 3 Gegenstand: SCM-AMP 3. Das Oszilloskop zwischen Stift (4) von SC801 und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter so nahe wie möglich auf den 75%-Weißpegel einstellen. Muß nahe dem 75%-Weißpegel liegen. 75%-Weißpegel 
24	**PAL H-Mitte (DAC)**	1. Das PAL- oder SECAM-Monoskop-Mustersignal empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: VIDEO 3 Gegenstand: PAL-H	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter die rechten und linken Überabtastungen angleichen.
25	**Wei·balance (R) R1970**	1. Das Monoskop-Mustersignal empfangen. 2. CH1 des Oszilloskops zwischen Stift (3) (G OUT) von TP180 und Masse und CH2 zwischen Stift (1) (R OUT) von TP180 und Masse anschließen. Die CH2-Wellenform invertieren und die Wellenformen CH1 und CH2 hinzufügen.	• R1970 so einstellen, das die Wellenformen Minimalwerte zeigen. 

Schritt	Einstellposition	Einstellbedingung	Einstellverfahren
26	**Wei·balance (B)** **R1958**	1. Das Monoskop-Mustersignal empfangen. 2. CH1 des Oszilloskops zwischen Stift (3) (G OUT) von TP180 und Masse und CH2 zwischen Stift (5) (R OUT) von TP180 und Masse anschließen. Die CH2-Wellenform invertieren und die Wellenformen CH1 und CH2 hinzufügen. 3. Einen Kurzschlu· zwischen den Stiften (1) und (2) von P1603 erzeugen, um den Horizontal-Sägezahn-Modulationsschaltkreis zu unterbrechen.	• R1958 so einstellen, das die Wellenformen Minimalwerte zeigen. 
27	**Farbschatten zwischen links und rechts** **R1650** **(Steuereinheit)**	1. Das Monoskop-Mustersignal empfangen. 2. Den Kurzschluß an P1603 aufheben.	• R1650 so einstellen, da· die Farbschatten zwischen der linken und rechten Hälfte Minimalwerte aufweisen. • Die rechte und linke Seite invertieren und sicherstellen, daß das Farbschattenproblem auf ein Minimum reduziert wird.
28	**Allgemeine Vorspannung R, G, B** **R1801 (R)** **R1803 (G)** **R1892 (B)** **(Steuereinheit)**	1. Das Monoskop-Mustersignal empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: VIDEO 2 Gegenstand: CB-R, CB-G, CB-B	• R1801 so einstellen, daß der Kontrast visuell am schärfsten wird. • R1803 so einstellen, daß der Kontrast visuell am schärfsten wird. • R1802 so einstellen, daß der Kontrast visuell am schärfsten wird.
29	**Wei·balance (Feineinstellung)**	1. Die gleichen Schritte wie in 22 und 23 ausführen.	• Die Weißbalance visuell überprüfen. Erforderlichenfalls nachstellen.
30	**Maskierung (DAC)**	1. Das Monoskop-Mustersignal empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: MASK Gegenstand: TOP, BOTTOM	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter die oberen und unteren Überabtastungen auf 95% angleichen.
31	**Zeichenposition** **T2001** **(Haupteinheit)**	1. Das Monoskop-Mustersignal empfangen.	• T2001 so einstellen, daß das Fokusierungszeichen in der Bildmitte erscheint. • Sicherstellen, daß die Buchstaben in "FOCUS" mit der horizontalen Auflösungszeile ausgerichtet sind.

Schritt	Einstellposition	Einstellbedingung	Einstellverfahren
32	**Vorwärmschalter**	1. Um das Gerät vorzuwärmen, den Schalter betätigen und sicherstellen, das der Blau-Hintergrundschalter deaktiviert ist. 2. Vor der Auslieferung des Gerätes unbedingt sicherstellen, da· die Anfangseinstellung 4 auf der Fernbedienung eingegeben wird. (Bei Unterlassung funktioniert der Ausschalttimer des Blau-Hintergrundschalters nicht. Das bedeutet, daß der blaue Hintergrund sich nicht ausschaltet.)	• Die Einstelltaste auf der Fernbedienung für wenigstens 1 sec oder länger drücken, um auf 4 einzustellen.
Ref.	**SECAM-Glockenfilter (DAC) (bei Reaparaturen am Gerät)**	1. Das SECAM-Farbbalkensignal empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: VIDEO 3 Gegenstand: BELL-FO 3. Das Oszilloskop zwischen TP808 [Stift (29) von IP802] und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter klare Abgrenzungen zwischen den unterschiedlichen Farben schaffen. 
33	**RGB1-Nebenkontrast**	1. Das NTSC-Farbbalkensignal (0.7 Vss) im RGB1-Modus empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: RGB 1 Gegenstand: SUB-C 3. Das Oszilloskop zwischen Stift (5) von SC1501 und Masse anschließen.	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter den Pegel zwischen dem Weißanteil und der Schwarzabhebung auf 3.3±0.1 Vss einstellen.

Hinweis : Die folgenden Schritte 34 bis 41 werden bei den Modellen XG-3910E/EⒶ angewendet.

34	**VGA-Verstärkung (Vorbereitungen) R3213**	1. Das MAC-Signal mit 16 Farbtönen empfangen. 2. Das Oszilloskop an TP1801 anschließen. 3. R3213 grob so einstellen, daß der Schwarzanteil der Wellenform deutlich ist.	• Rot : TP1801, R3213 • Grün : TP1803, R3202 • Blau : TP1805, R3205

Schritt	Einstellposition	Einstellbedingung	Einstellverfahren
35	**VGA-Verstärkung** **R3055 (R)** **R3052 (G)** **R3049 (B)** **(VGA) TP3301 kurzgeschlossen**	1. Das MAC-Signal mit 16 Farbtönen empfangen. 2. CH1 des Oszilloskops zwischen TP1801 (R2 OUT) und Masse sowie CH2 zwischen TP1802 (R1 OUT) und Masse anschließen. Die CH2-Wellenform invertieren und die Wellenformen CH1 und CH2 zufügen. G: TP1803 und TP1804 B: TP1805 und TP1806	• R3055 so einstellen, das die Wellenform-Amplitude den Minimalwert aufweist. (Für G und B sind R3252 bzw. 3049 zu verwenden.) 
36	**Mitten-Vormagnetisierung** **R3213 (R)** **R3202 (G)** **R3205 (B)** **(VGA)**	1. Das MAC-Signal mit 16 Farbtönen empfangen. 2. Das Oszilloskop an TP1801 und Masse anschließen. G: TP1803 B: TP1805	• R3213 so einstellen, daß der mittlere Pegel zwischen den oberen und unteren Wellenformen -2.5±0.05 Vss aufweist. (Für G und B sind R3202 bzw. 3205 zu verwenden.) 
37	**VGA-Helligkeit** **R3062 (R)** **R3063 (G)** **R3064 (B)** **(VGA)**	1. Das MAC-Signal mit 16 Farbtönen empfangen. 2. Das Oszilloskop an TP1801 und Masse anschließen. G: TP1803 B: TP1805	• R3062 so einstellen, daß der Signalpegel zwischen den oberen und unteren Weißanteilen 1.5 ±0.05 Vss aufweist. (Für G und B sind R3063 bzw. 3064 zu verwenden.) 
38	**VGA-Weißbalance (Feineinstellung)** **R3062**	1. Das MAC-Signal mit 16 Farbtönen empfangen.	• R3062 und R3064 einstellen und visuell überprüfen, ob das Muster mit der Anzeige auf dem Bildschirm identisch ist.
39	**Farbschatten zwischen links und rechts** **R3313**	1. Den Kurzschluß am TP3301 aufheben. 2. Das MAC-Grautabellensignal empfangen.	• R3313 so einstellen, daß die Farbschatten zwischen der linken und rechten Hälfte Minimalwerte aufweisen.

Schritt	Einstellposition	Einstellbedingung	Einstellverfahren
40	**MAC-Phase (DAC)**	1. Das MAC-Kachelmuster empfangen. 2. S2001 drücken und den folgenden Modus einstellen: Gruppe: RGB 2 Gegenstand: H-PHASE	• Mit den VIDEO ADJUSTMENT-Tasten (+/-) auf dem Membranschalter die Bildstörungen auf ein Minimum bringen.
41	**Taktphase R1940 R1935 R1945**	1. Das MAC-Kachelmuster empfangen. 2. Das Gerät in den Standardmodus bringen. 3. Das gleiche auch für G und B ausführen. Dieser Vorgang ist jedoch nur dann erforderlich, wenn das Muster in Blöcken aufgeteilt ist oder vertikale Linien aufweist. Das Muster kann im Videomodus ebenfalls eine Phasenverschiebung erfahren. Deshalb ist die Phase auch im Videomodus zu überprüfen. Dabei die Muster auf und ab, bzw. rechts und links invertieren.	• R1940 (grün), R1935 (rot) und R1945 (blau) so einstellen, daß das Muster nicht in Blöcke aufgeteilt ist und keine vertikale Linien vorhanden sind.

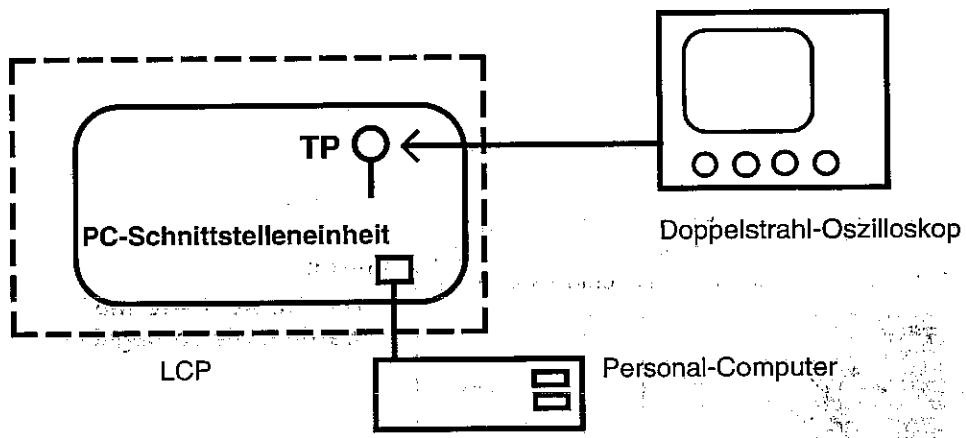
EINSTELLUNG DER PC-SCHNITTSTELLENPLATINE

Hinweis : Diese Einstellung wird bei den Modellen XG-3910E/EⒶ angewendet.

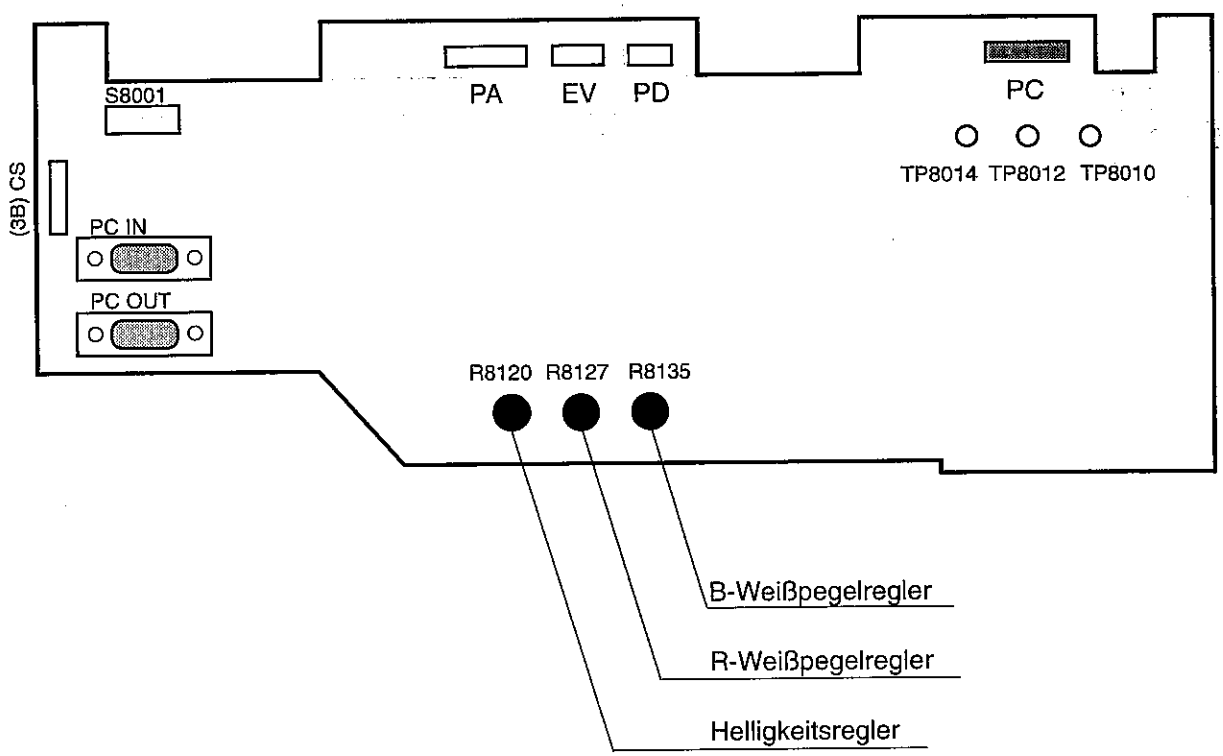
Einstellung des Analogabschnitts

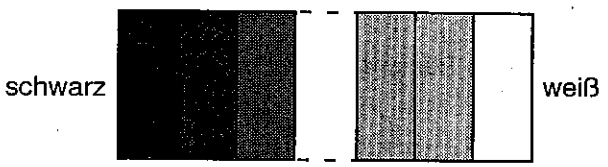
Instrumente/Werkzeuge	Anmerkungen
Personal-Computer	IBM PC (VGA), Macintosh (640 * 840)
Schraubendreher für Reglereinstellung	

Anordnung des Einstellsystems

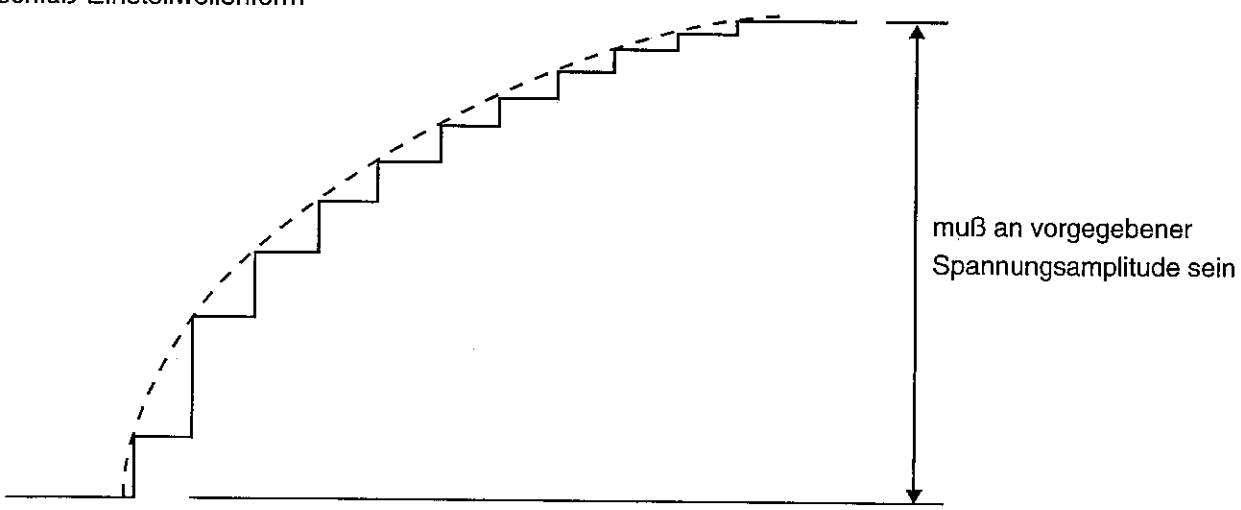


Anordnung



Einstellbedingungen	Einstellverfahren
• Pegel- und Verstärkungseinstellung (Analogausgang Computer)	
Meßpunkte Stift (9) von PC-Anschluß(grün, Helligkeit): TP8014 Stift (5) von PC-Anschluß(blau): TP8012 Stift (1) von PC-Anschluß(rot): TP8010 Einstellpunkte R8120: Helligkeitseinstellung R8135: B-Weißpegeleinstellung R8127: R-Weißpegeleinstellung Vorbereitungen 1. Den Filterschalter (S8001) auf die Position OFF stellen. 2. Den Einstellpegel des LCP zurückstellen. (Die MENU-Taste an der Fernbedienung oder am Gerät drücken, das Menü RGB 2 ADJ. wählen und die RESET-Taste drücken.) 3. Alle obigen Regler auf ihre mechanischen Mitten stellen. 4. Den Personal-Computer (PC-9801 oder IBM PC (VGA)) an den PC IN-Anschluß anschließen. Die Karte mit 16 Farbtönen auf dem Bildschirm anzeigen.  5. Das Oszilloskop auf 10 µs/Tlg. und 0,2 V/Tlg. (Wechselstrom) einstellen.	• Helligkeitseinstellung (G-Weißpegeleinstellung) 1. Das Oszilloskop an Stift (9) (TP8014) des PC-Anschlusses anschließen. 2. Mit dem Helligkeitsregler (R8120) die Farbtonkarte einstellen. Die maximale Amplitude auf 0,95 Vss einstellen. • B-Weißpegeleinstellung 3. Das Oszilloskop an Stift (5) (TP8012) des PC-Anschlusses anschließen. 4. Mit dem B-Weißpegelregler (R8135) die Farbtonkarte einstellen. Die maximale Amplitude auf 0,95 Vss einstellen. • R-Weißpegeleinstellung 5. Das Oszilloskop an Stift (1) (TP8010) des PC-Anschlusses anschließen. 6. Mit dem R-Weißpegelregler (R8127) die Farbtonkarte einstellen. Die maximale Amplitude auf 0,95 Vss einstellen. **Hinweis:** **Die Farbtonkarte muß unbedingt so angezeigt werden, wie vorgegeben.**
• Phaseneinstellung	
Einstellpunkt Phasenregeltasten (PHASE< und PHASE>) Vorbereitungen 1. Den Filterschalter (S8001) auf die Position OFF stellen. 2. Am Personal-Computer vorgeben, daß der Buchstabe "H" auf dem Bildschirm erscheint.	•Einstellung 1. Die Phasenregeltasten (PHASE< und PHASE>) so einstellen, daß das Bild am schärfsten wird.

PC-Anschluß-Einstellwellenform



保养维修人员须知

紫外线辐射注意事项

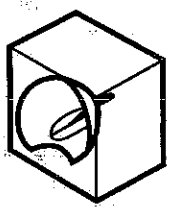
本液晶投影机的光源—金属检卤灯使用时会产生少量的紫外线辐射。

防止眼睛和皮肤的直接曝射。

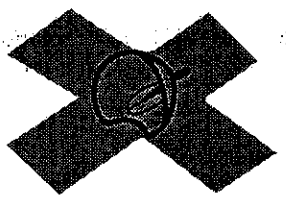
为保证安全，务请遵守下列注意事项：

1. 揭去投影机顶盖并打开金属检卤灯进行检查维修时，务请戴用太阳墨镜。

2. 切勿随意修弄金属检卤灯灯室外壳。



3. 揭去投影机顶盖的保养维修不得超过2小时以上。



紫外线辐射与中压灯的注意事项

1. 更换中压灯前，请先拔除电源插头。
2. 保养维修该装置前，请先让其冷却一小时以上。
3. XG-3910E/E🄰：
   更换中压灯只得用同类型号者：
   CLMPF0041DE01，额定值75V/400W。
3. XV-3410S：
   更换中压灯只得用同类型号者：
   CLMPF0034DE07，额定值65V/350W。
4. 该灯点亮时有少量紫外线辐射发生，切勿直接曝照裸眼。
5. 中压灯有引起爆炸之危险。安装、保养及维修时，务请按下述要求谨慎处理之。

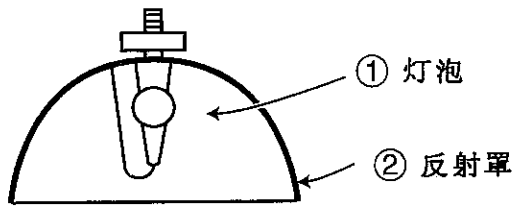
■金属检卤灯的更换

注意：

该灯于点亮时所达温度极高。因此，更换该灯至少应在关灯后一小时再进行。（让该灯充分冷却。）

用手安装新灯时，只得抓握检卤灯反射罩②进行安装，切勿用手触碰灯泡电珠。

〔更换新灯只得用规定正品。〕



危险！一没安装金属检卤灯时，不得打开电源开关。因为引入电源后，稳压器便随即发生极高的电压，足以引起人身高压触电或装置损坏的危险。

揭开机壳进行维修时，少量的紫外线可从导管盖和灯室间的开口处辐射而出。因此，必须用镜头盖按下图（图1）所示遮住导管盖和灯室间的开口，以防紫外线辐射造成眼睛或皮肤的受伤。

注意：对未附带镜头盖的型号XG-3910E/E🄰和XV-3410S作保养及检修时，必须先准备镜头盖，盖上后进行之。

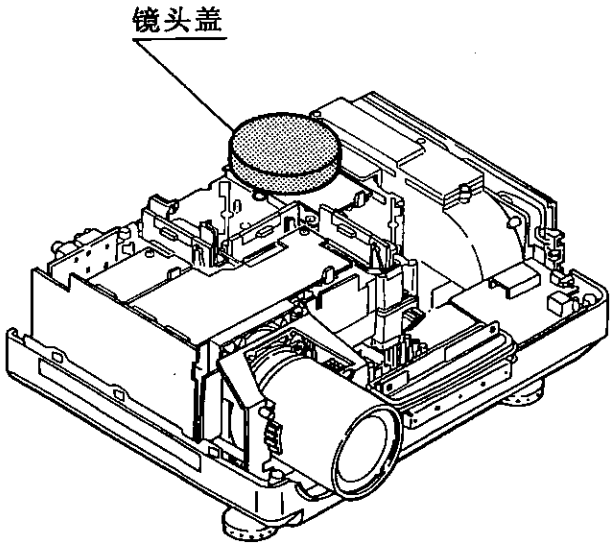


图1

規格參數

型号 XG-3910E/EA

產品類型		液晶投影機
型號		XG-3910E
顯示方法		3塊液晶板，RGB三色光學色盤方法
制式		PAL/SECAM/NTSC3.58/NTSC4.43
液晶顯示板	尺寸	3″(長4.5厘米×寬6.2厘米)
	顯示方法	半透明TN水晶板
	驅動方法	薄膜晶體管(TFT)活性矩陣板
	像素數量	309,120像素點×3塊
鏡頭		1～1.6變焦鏡頭，F=3.4～4.2，f=101～160毫米
投影燈泡		400瓦金屬鹵燈
反差比(對比度)		100：1
視頻輸入訊號		BNC連接器：視頻，復合視頻，峰間值1伏，負同步，75歐姆終端 RCA連接器：聲頻，142毫伏有效值，大於47千歐姆(立體聲)
S-視頻輸出訊號		4芯小型DIN連接插頭 Y(亮度訊號)：峰間值1伏，負同步，75歐姆終端 C(色度訊號)：脈衝峰間值0.286伏，75歐姆終端
視頻（顯示機）訊號		BNC 連接器：視頻，復合視頻，峰間值 1 伏，負同步，75 歐姆終端 RCA 連接器：聲頻 142 毫伏有效值，大於 47 千歐姆（立體聲）
水平解像度		500行電視掃描
聲頻輸出		3瓦(單耳聲)
電腦RGB輸入訊號	視頻訊號	15芯小型D-sub連接插頭：RGB分離型模擬輸入：峰間值0～0.7伏，正極，75歐姆終端　RCA插口：聲頻，142毫伏有效值，大於47千歐姆(立體聲)
	水平同步訊號	三極管電平(正極/負極)或復合同步(僅限蘋果機種)
	垂直同步訊號	
RGB視頻輸入訊號	視頻訊號	BNC連接器：RGB分離型模擬輸入：峰間值0～0.7伏，正極，75歐姆終端 RCA插口：聲頻，142毫伏有效值，大於47千歐姆(立體聲)
	復合同步訊號	TTL 電平
揚聲器		3″(8厘米)圓形
電壓		交流200～240伏
電頻		50/60赫
耗電量		520瓦
工作溫度		攝氏5度～40度
儲藏溫度		攝氏零下20度～55度
外殼		塑膠
尺寸(寬×深×高)		機體550×470×230毫米、加罩蓋550×537×230毫米
重量		機體15.4公斤、加罩蓋15.7公斤
隨機附件		遙控器、4節AA電池、鏡頭蓋（已裝於鏡頭）、倒貼標簽、預備空氣過濾器、端子罩蓋、VGA接線、高架防塵罩、4個繞線腳、2個球面轉接插頭（BNC/RCA）Mac/VGA連接插頭
另售附件		遙控器、空氣過濾器、VGA接線、Mac/VGA連接器（用於XG-3910EA的交流插接器）

本投影機使用了液晶顯示板。這些非常精密的顯示板裡共含有390,120個三色像素的薄膜管。任何高技術電子設備，如大屏幕電視機、錄影系統及攝錄機等，都允許有一定的誤差範圍存在。
SHARP公司認的誤差度允許存在不起作用的薄膜晶體管的總數爲6個，(包括黑點)，它們在銀幕上表現爲亮點。但是，這並不影響圖像質量及投影機的使用壽命。

*規格參數若有變更，恕不另行通知。

規格參數

型号 XV-3410S

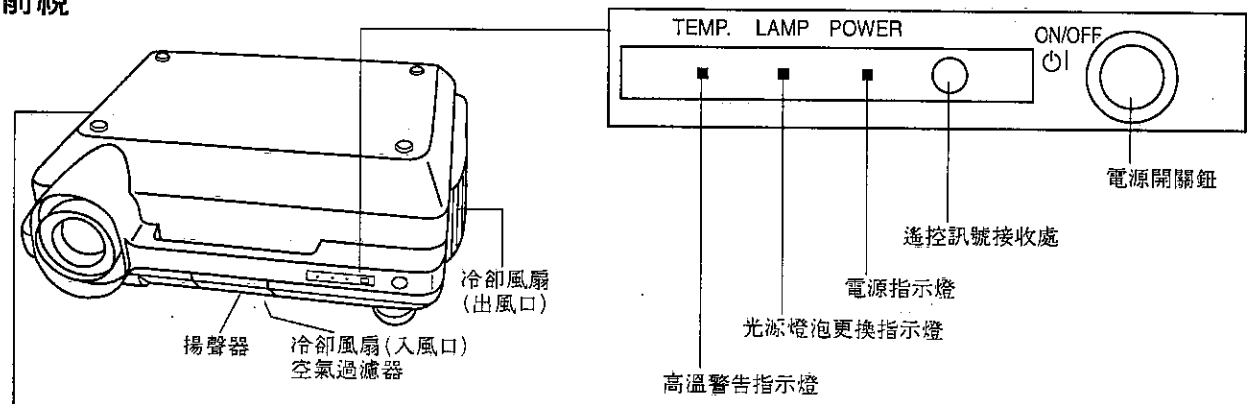
產品類型		液晶投影機
型號		XV-3410S
顯示方法		3塊液晶板，RGB三色光學色盤方法
制式		PAL/SECAM/NTSC3.58/NTSC4.43
液晶顯示板	尺寸	3"(長4.5厘米×寬6.2厘米)
	顯示方法	半透明TN水晶板
	驅動方法	薄膜晶體管(TFT)活性矩陣板
	像素數量	309,120像素點×3塊
鏡頭		1～1.6變焦鏡頭,F=3.5～4.2、f=101～160毫米
投影燈泡		350瓦金屬鹵燈
反差比(對比度)		100 : 1
視頻輸入訊號		BNC連接器: 視頻，復合視頻，峰間值1伏，負同步，75歐姆終端 RCA連接器: 聲頻，142毫伏有效值，大於47千歐姆(立體聲)
S-視頻輸出訊號		4芯小型DIN連接插頭 Y(亮度訊號): 峰間值1伏，負同步，75歐姆終端 C(色度訊號): 脈衝峰間值0.286伏，75歐姆終端
視頻（顯示機）訊號		BNC 連接器：視頻，復合視頻，峰間值 1 伏，負同步，75 歐姆終端 RCA 連接器：聲頻 142 毫伏有效值，大於 47 千歐姆（立體聲）
水平解像度		500行電視掃描
聲頻輸出		3瓦(單耳聲)
RGB視頻輸入訊號	視頻訊號	BNC連接器: RGB分離型模擬輸入: 峰間值0～0.7伏，正極，75歐姆終端 RCA插口: 聲頻，142毫伏有效值，大於47千歐姆(立體聲)
	復合同步訊號	TTL 電平
揚聲器		3"(8厘米)圓形
電壓		交流200～240伏
電頻		50/60赫
耗電量		445瓦
工作溫度		攝氏5度～40度
儲藏溫度		攝氏零下20度～55度
外殼		塑膠
尺寸(寬×深×高)		機體550 ×470 × 230毫米、加罩蓋550 ×537 × 230毫米
重量		機體14.8公斤、加罩蓋15.1公斤
隨機附件		遙控器、2節AAA電池、鏡頭蓋（已裝於鏡頭）、倒貼標簽、預備空氣過濾器、端子罩蓋、高架防塵罩、4個繞線腳、2個球面轉接插頭（BNC/RCA）
另售附件		遙控器、空氣過濾器

本投影機使用了液晶顯示板。這些非常精密的顯示板裡共含有390,120個三色像素的薄膜管。任何高技術電子設備，如大屏幕電視機、錄影系統及攝錄機等，都允許有一定的誤差範圍存在。
SHARP公司認的誤差度允許存在不起作用的薄膜晶體管的總數爲6個，(包括黑點)，它們在銀幕上表現爲亮點。但是，這並不影響圖像質量及投影機的使用壽命。

*規格參數若有變更，恕不另行通知。

控制鈕的位置

前視



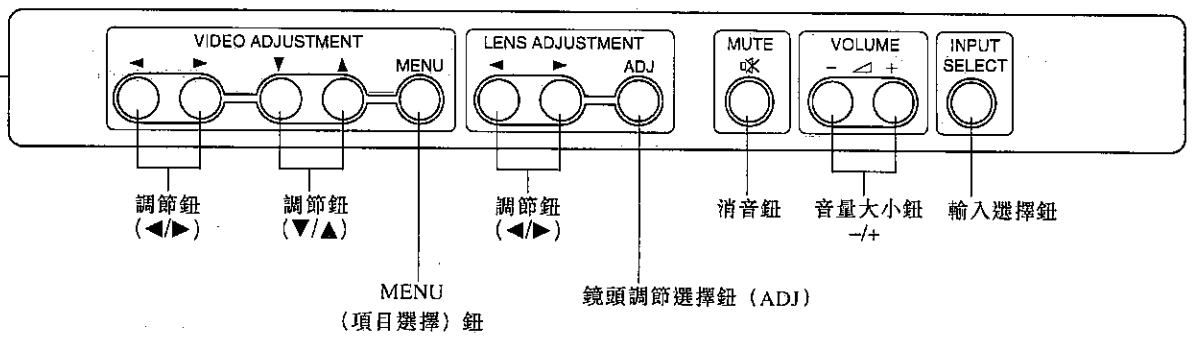
注意：

- 放置投影機時，要使冷卻風扇部分(出風口)與牆壁保持10厘米以上的距離。
- 如果冷卻風扇被堵塞，機內的保護電路就會啓動，光源(燈泡)隨之便熄滅。這種情況不屬於故障，因此，只要將電源插頭從插座上拔下，並等待10分鐘左右，再將電源插上即可恢復正常。

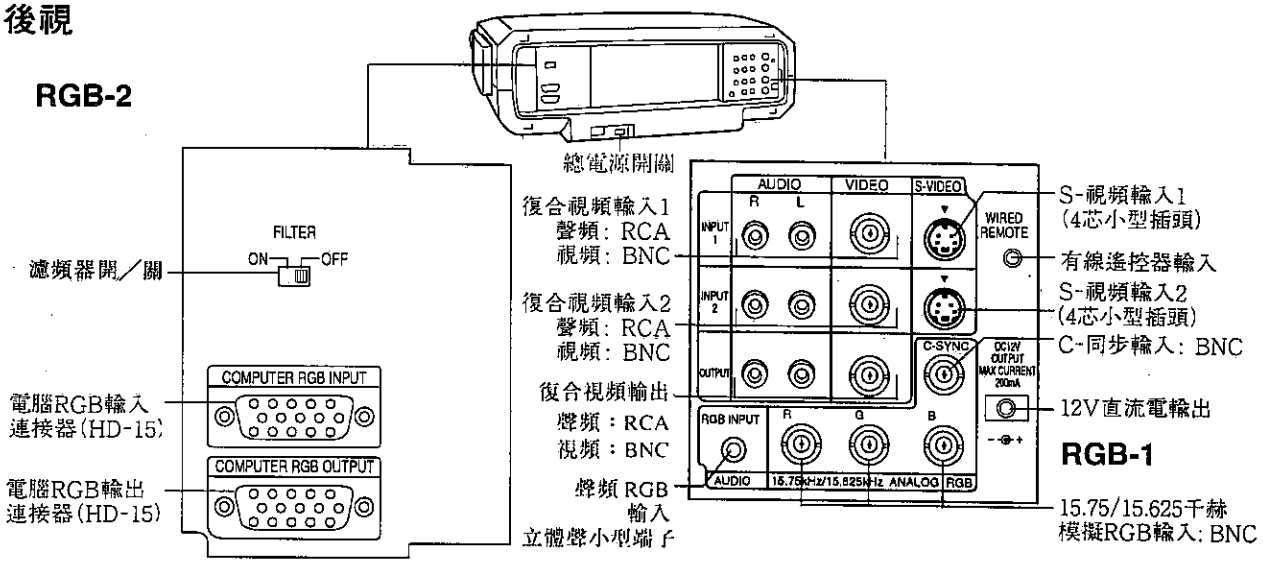
投影機側面操作板

夜光性顯示器

爲了容易觀看，在右邊的操縱用夜光性顯示器。當露出環繞光線的時候，夜光性顯示器會在黑暗發光。
(發光率) 當露出太陽光或者高於500勒克司的其他光線大約10分鐘左右時，顯示器會發光持續1小時。
(注意：500勒克司=1～1.5m直接低於一個40W的熒光燈。)



後視



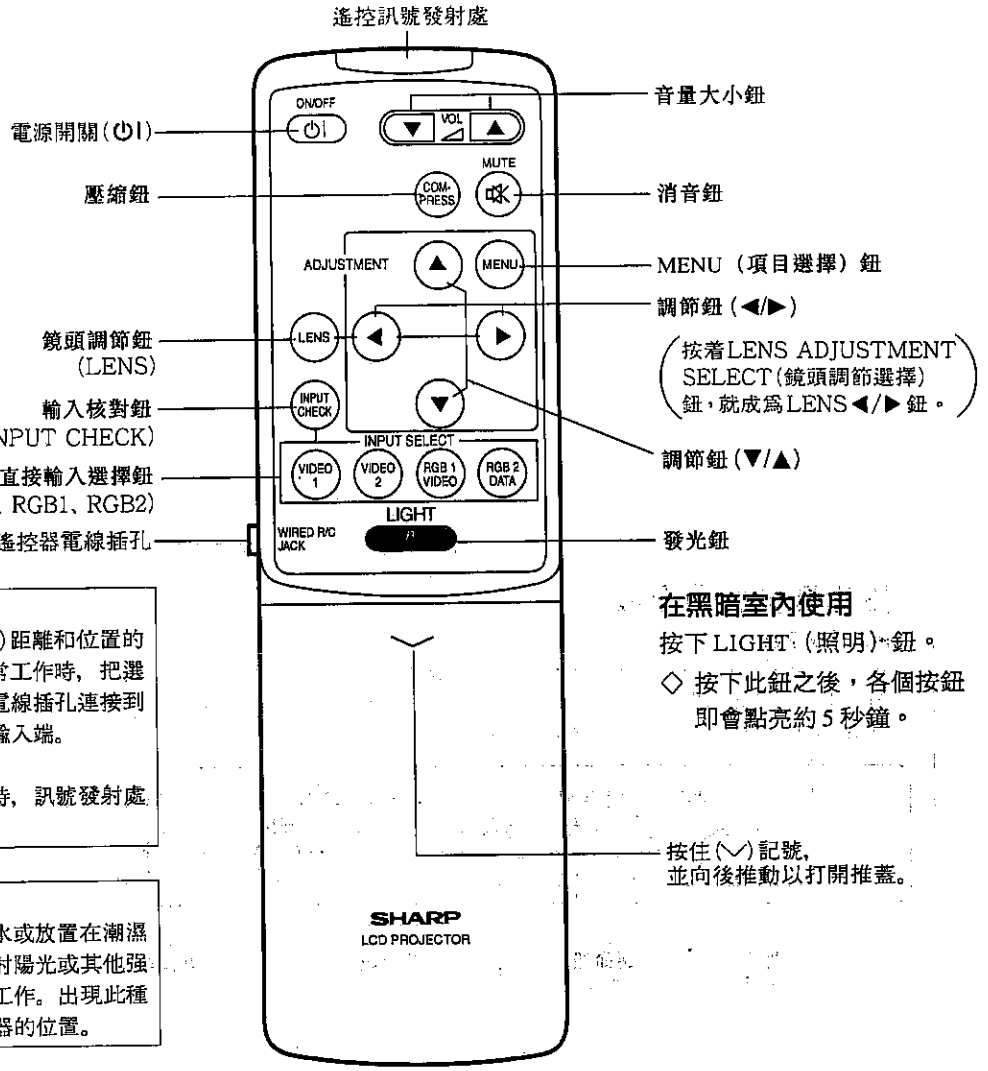
注意：

- 當大於200毫安的電流通過12V直流電輸出口時，投影機的安全裝置將啓動，自動關閉投影機並使其進入待機狀態。

遙控器的使用方法

型号 XG-3910E/E[A]

遙控器



使用選購品電線連接遙控器

- 由於投影機(背景投影機等)距離和位置的原因，造成遙控器不能正常工作時，把選購品電線從遙控器左側的電線插孔連接到投影機背面的遙控器電線輸入端。

註：

- 當選購品電線連接遙控器時，訊號發射處不工作。

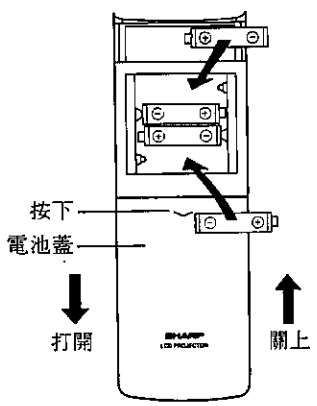
使用遙控器需知

切勿摔碰遙控器，勿使其沾水或放置在潮濕的地方。若將遙控器置於直射陽光或其他強光照射下，會使其不能正常工作。出現此種情形時，請改變光源或遙控器的位置。

在黑暗室內使用

按下LIGHT（照明）鈕。

◇ 按下此鈕之後，各個按鈕即會點亮約5秒鐘。



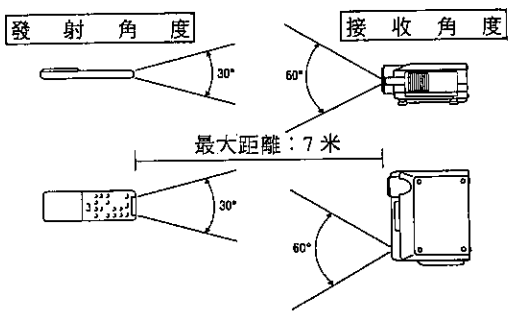
安裝電池

如圖所示卸下電池蓋，裝入4節AA型電池。務請注意電池之極性必需符合電池槽內之(+)和(−)的標記。

註：

電池使用不當會造成漏液或爆裂。

- 插入電池時必須使其極性與電池槽內標出的極性（十）、（—）相一致。
- 若長期不用遙控器，應將電池取出。注意保持電池乾淨。
- 始終保持電池的乾淨。
- 切勿將商標不同的電池混合使用。新舊電池的混合使用會使新電池的壽命縮短，而舊電池則會漏液。
- 當電池耗盡之後，應立刻取出以防漏液損傷遙控器。漏出的電池液體對皮膚有刺激，擦拭時應用乾布。
- 由於隨機附件的電池受庫存條件及庫存時間影響，可能會在短時間內用完。應盡早更換新的電池。



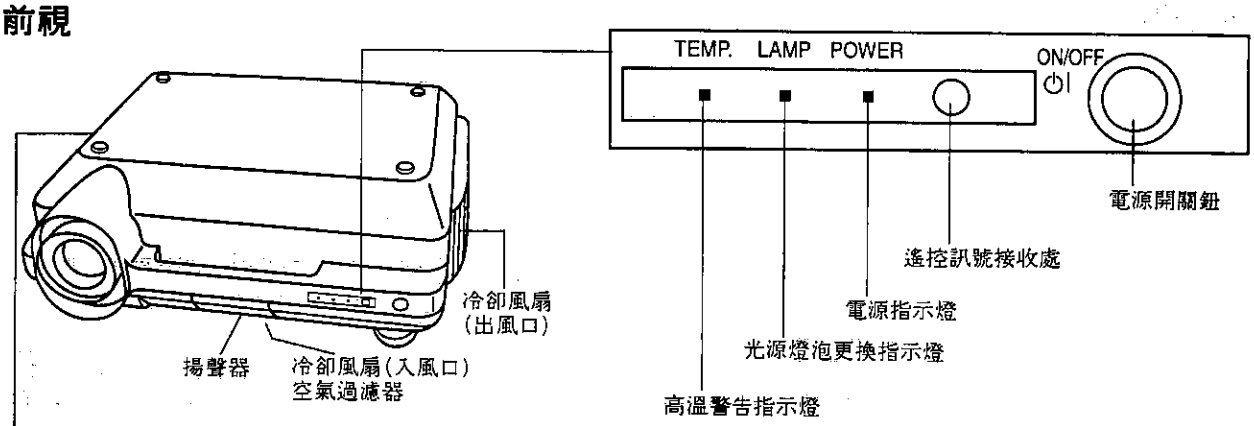
遙控器的操作

◇ 遙控器的操作按左圖所示。

控制鈕的位置

型号 XV-3410S

前視



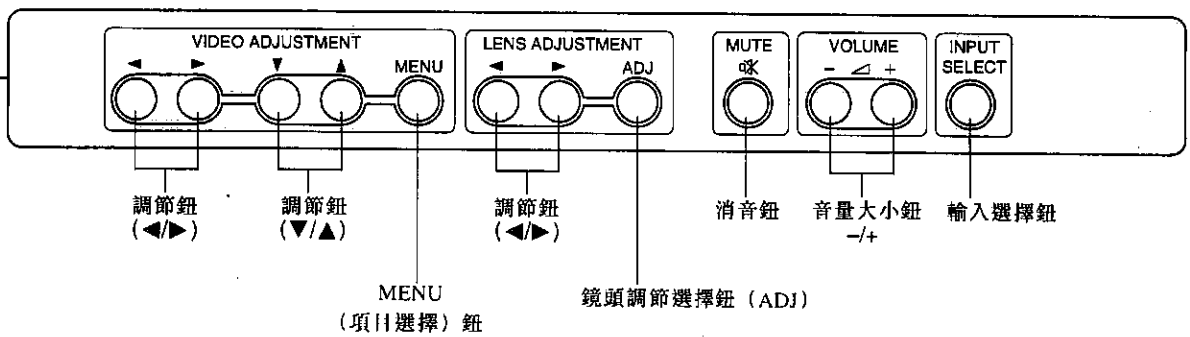
注意：

- 放置投影機時，要使冷卻風扇部分(出風口)與牆壁保持10厘米以上的距離。
- 如果冷卻風扇被堵塞，機內的保護電路就會啓動，光源(燈泡)隨之便熄滅。這種情況不屬於故障，因此，只要將電源插頭從插座上拔下，並等待10分鐘左右，再將電源插上即可恢復正常。

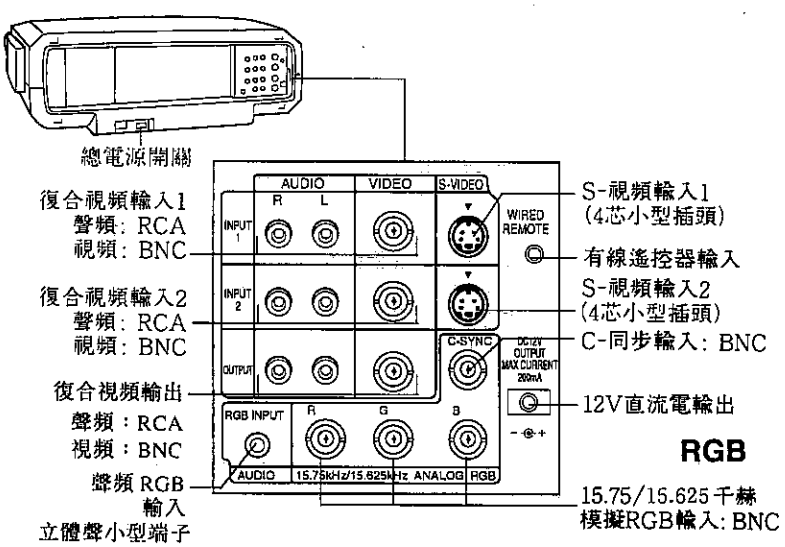
投影機側面操作板

夜光性顯示器

爲了容易觀看，在右邊的操縱用夜光性顯示器。當露出環繞光線的時候，夜光性顯示器會在黑暗發光。
(發光率) 當露出太陽光或者高於500勒克司的其他光線大約10分鐘左右時，顯示器會發光持續 1 小時。
(注意：500勒克司＝1～1.5m 直接低於一個40W的熒光燈。)



後視



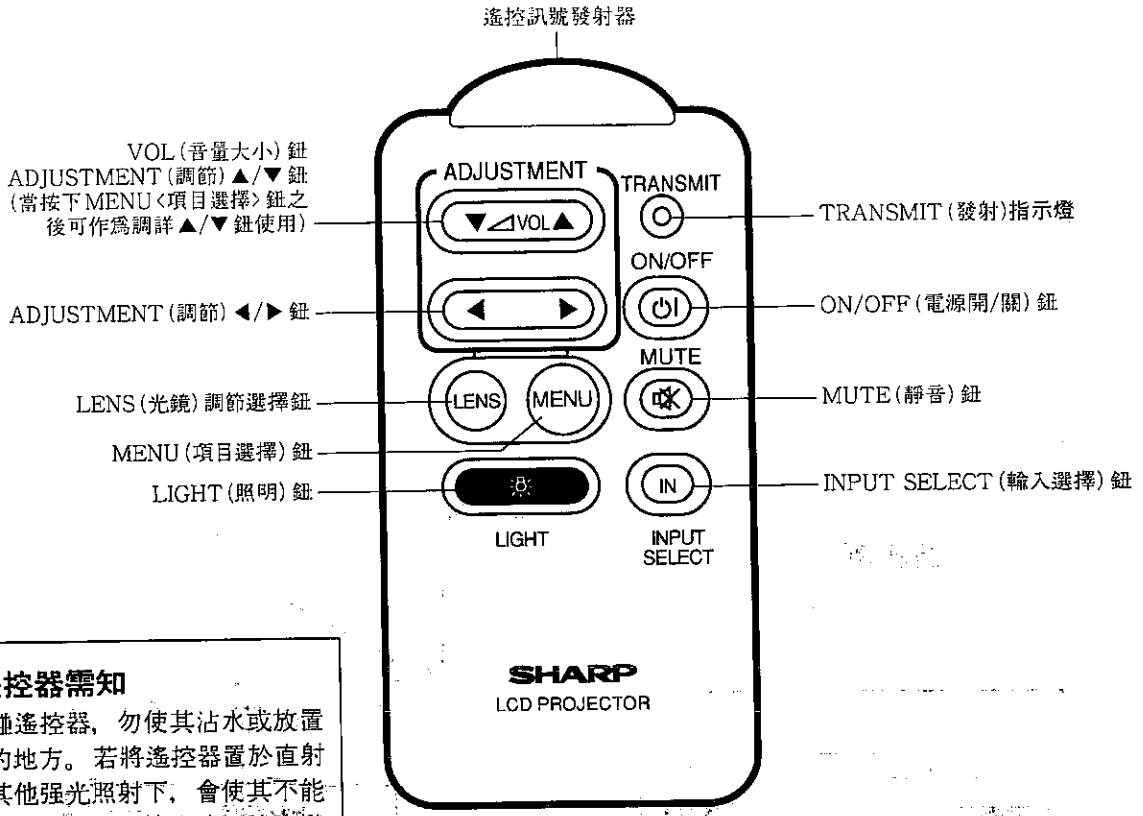
注意：

- 當大於200毫安的電流通過12V直流電輸出口時，投影機的安全裝置將啓動，自動關閉投影機並使其進入待機狀態。

遙控器的使用方法

型号 XV-3410S

遙控器

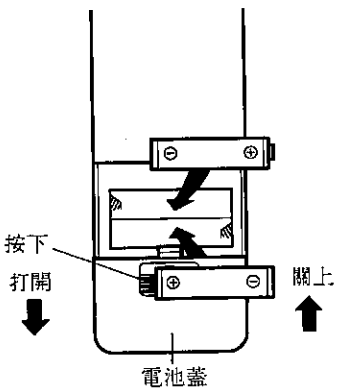


使用遙控器需知

切勿摔碰遙控器，勿使其沾水或放置在潮濕的地方。若將遙控器置於直射陽光或其他强光照射下，會使其不能正常工作。出現此種情形時，請改變光源或遙控器的位置。

安裝電池

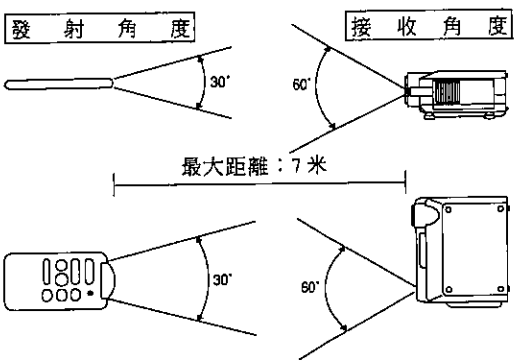
如圖所示卸下電池蓋，裝入2節AAA型電池。務請注意電池之極性必需符合電池槽內之(+)和(—)的標記。



註：

電池使用不當會造成漏液或爆裂。

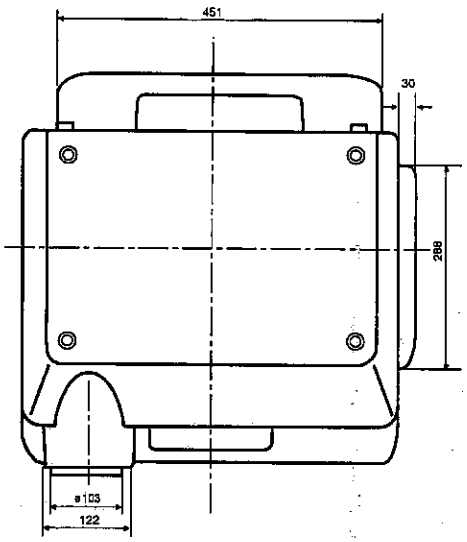
- 插入電池時必須使其極性與電池槽內標出的極性（十）、（—）相一致。
- 若長期不用遙控器，應將電池取出。注意保持電池乾淨。
- 始終保持電池的乾淨。
- 切勿將商標不同的電池混合使用。新舊電池的混合使用會使新電池的壽命縮短，而舊電池則會漏液。
- 當電池耗盡之後，應立刻取出以防漏液損傷遙控器。漏出的電池液體對皮膚有刺激，擦拭時應用乾布。
- 由於隨機附件的電池受庫存條件及庫存時間影響，可能會在短時間內用完。應盡早更換新的電池。



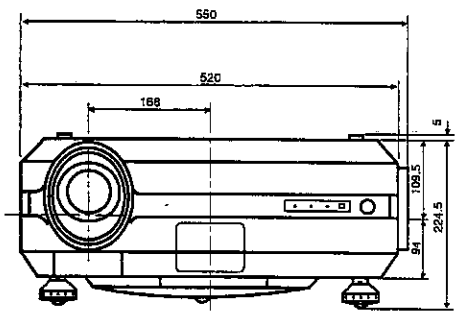
遙控器的操作

◇ 遙控器的操作按左圖所示。

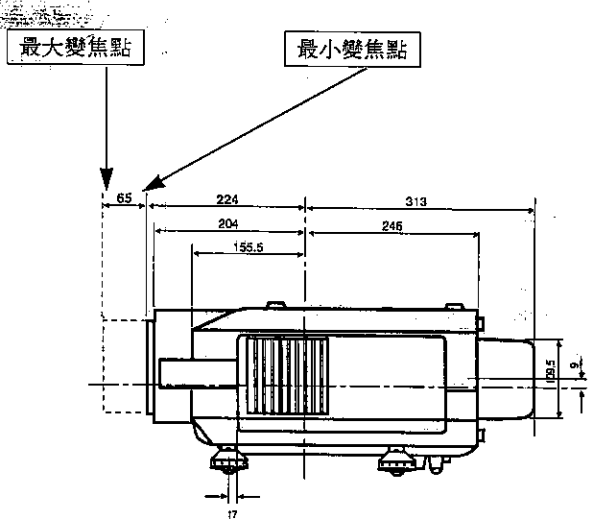
外型尺寸圖



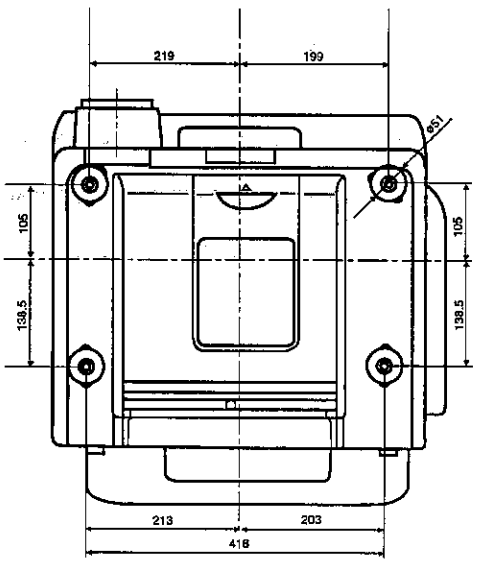
俯視圖



正視圖



側視圖



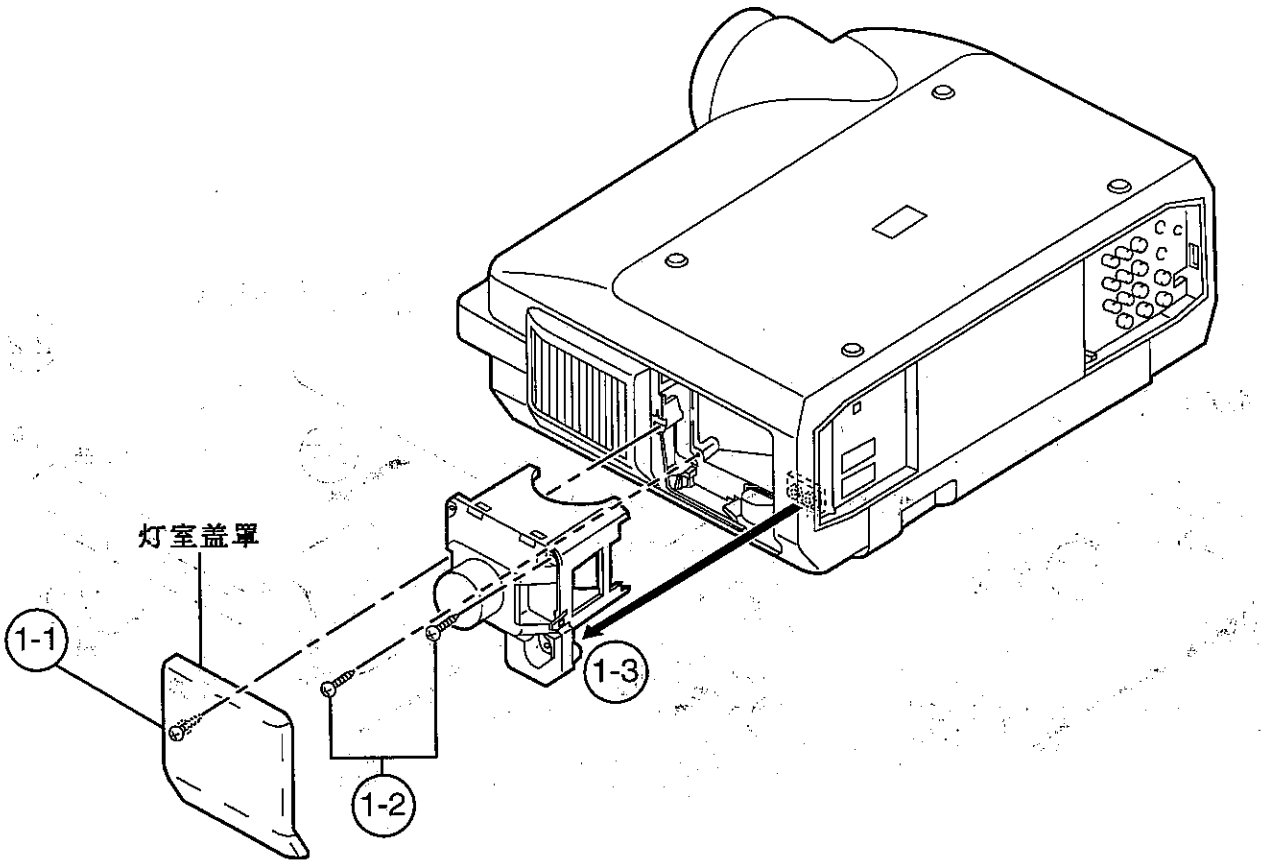
仰視圖

單位 mm(毫米)

主要部件的拆卸

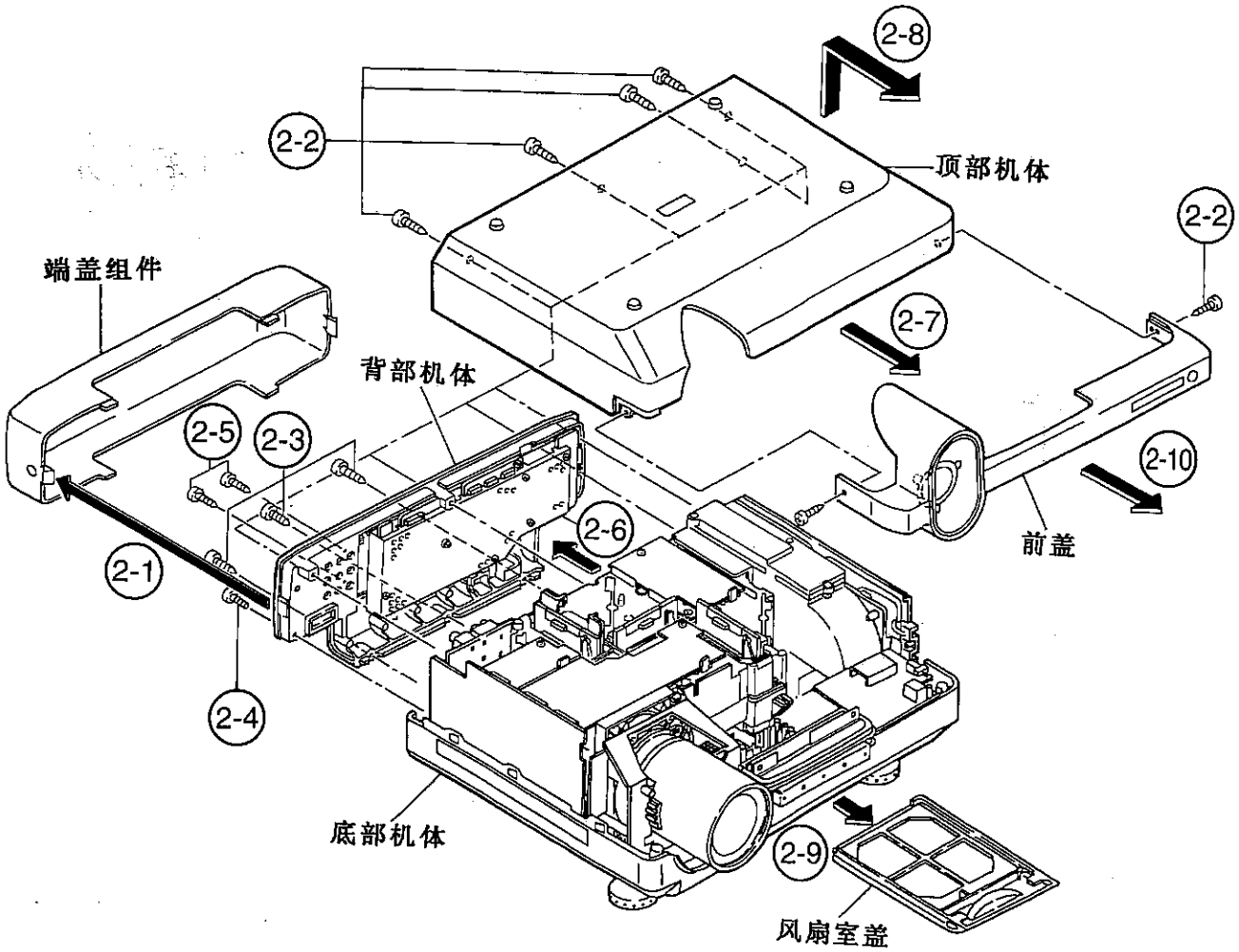
1. 投影灯装置的拆卸

1-1. 松去灯室盖罩的固定螺丝，取下灯室盖罩。
1-2. 松去投影灯装置的两支固定螺丝。
1-3. 取下投影灯装置。



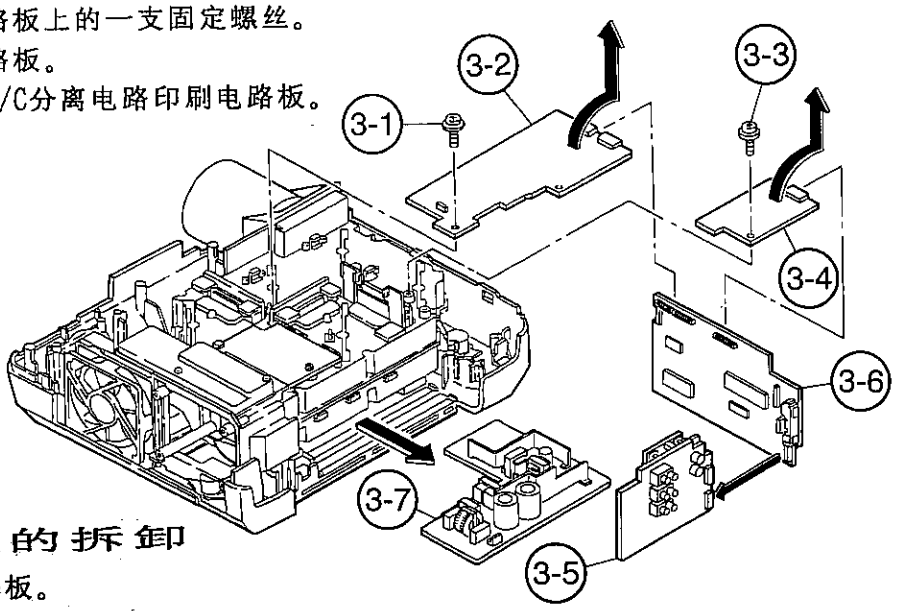
2. 顶部机体、底部机体及风扇室盖的拆卸

2-1. 松去后盖两侧卡扣，端盖组件。
2-2. 松去顶部机体的六支固定螺丝。
2-3. 松去背部机体的三支固定螺丝。
2-4. 松去背部机体的一支固定螺丝。
2-5. 松去输入电路印刷电路板上的两支固定螺丝。
2-6. 取下背部机体。(型号XV-3410S未装有PC I/F装置)
2-7. 将顶部机体向前滑移10mm左右。
2-8. 将顶部机体后部向上提起30mm左右，并向前拉出再取出。
2-9. 取出风扇室盖。
2-10. 取出前部机体。



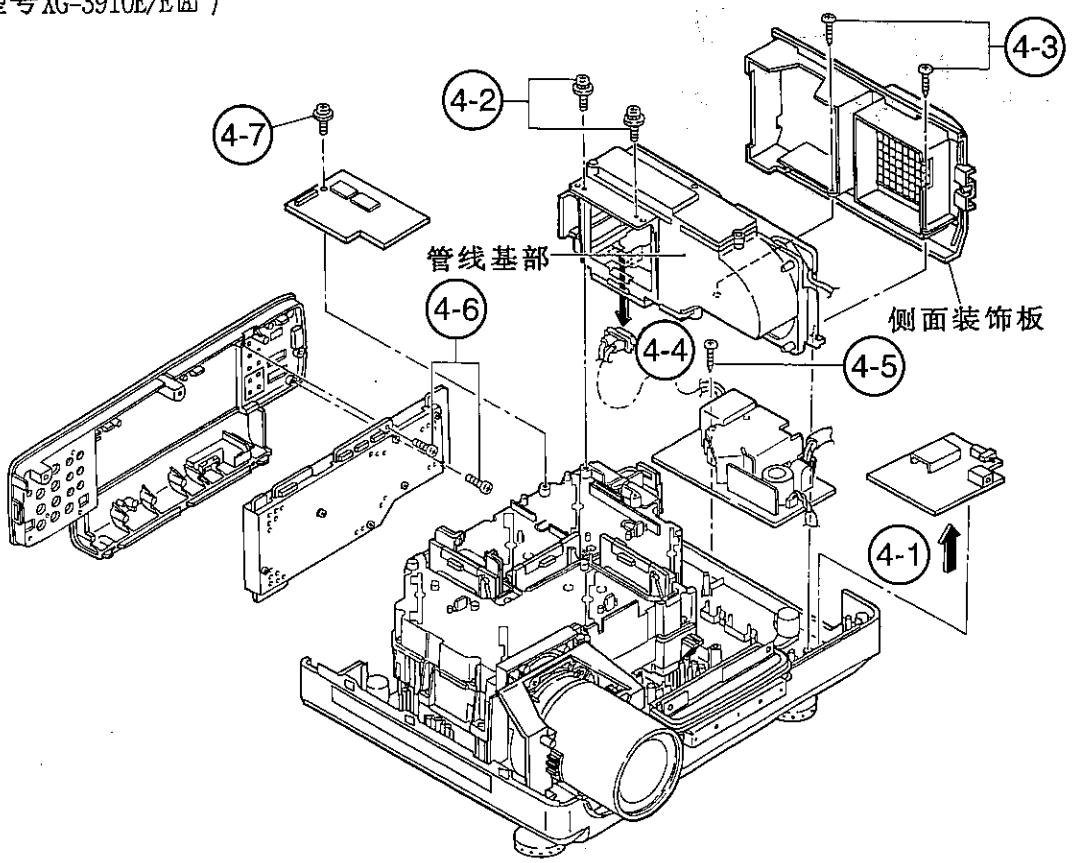
3. 主电路印刷电路板与辅助电路印刷电路板的拆卸

3-1. 松去控制电路印刷电路板上的一支固定螺丝。
3-2. 取出控制电路印刷电路板。
3-3. 松去扫描行数变换器印刷电路板上的一支固定螺丝。
3-4. 取出扫描行数变换器印刷电路板。
3-5. 取出输入电路印刷电路板与Y/C分离电路印刷电路板。
3-6. 取出主电路印刷电路板。
3-7. 取出电源电路印刷电路板。



4. 其它印刷电路板的拆卸

4-1. 取出音频放大器/LED印刷电路板。
4-2. 松去风扇装置上的两支固定螺丝。
4-3. 松去侧面装饰板上的两支固定螺丝。
4-4. 取下镇流器印刷电路板插座。
4-5. 松去镇流器印刷电路板上的一支固定螺丝，取下之。
4-6. 松去PC I/F装置上的两支固定螺丝，取下之。
(仅限型号XG-3910E/EⒶ)
4-7. 松去VGA放大器上的一支固定螺丝，取下之。
(仅限型号XG-3910E/EⒶ)

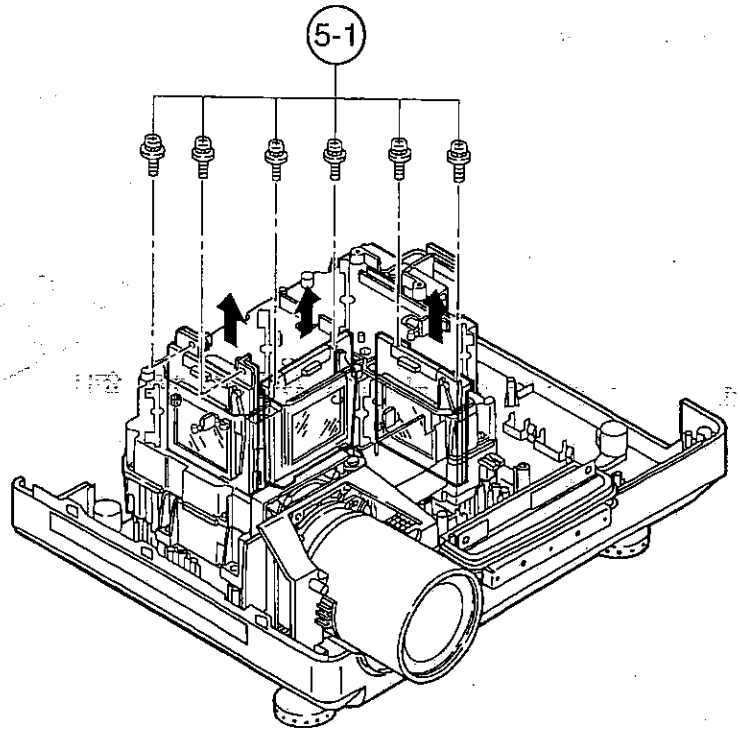


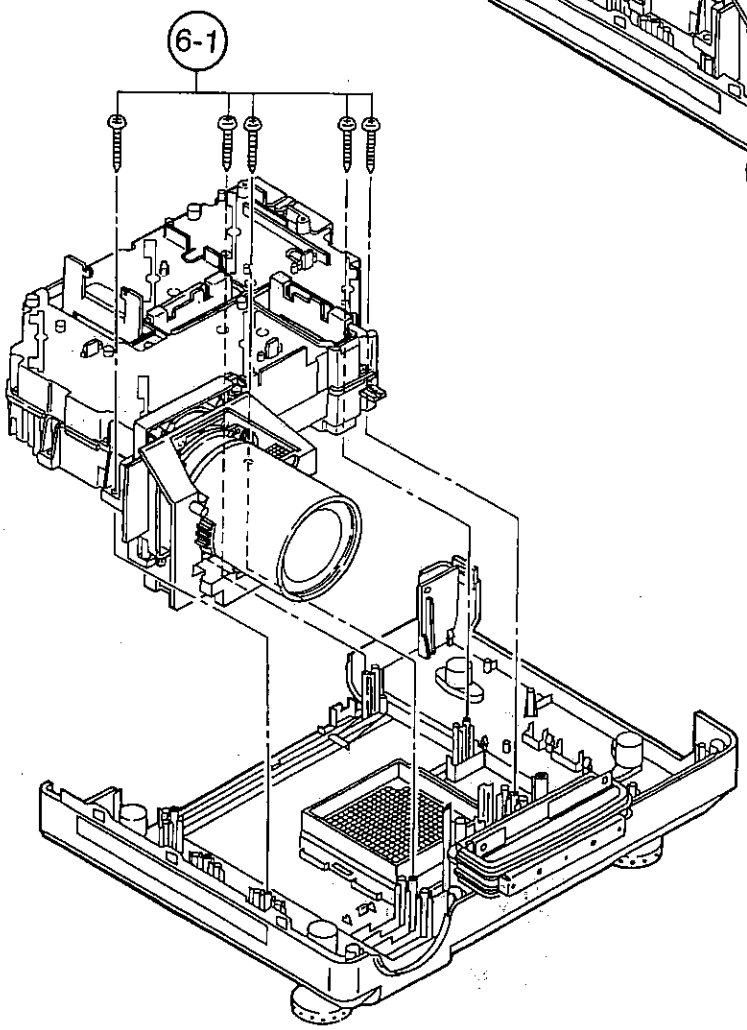
5. 液晶显示板的更换

5-1. 分别松去各自固定红、绿、蓝三块液晶显示板上的两支固定螺丝，取下之。

6. 光学机械装置的拆卸

6-1. 松去光学机械装置上的五支固定螺丝，取下之。

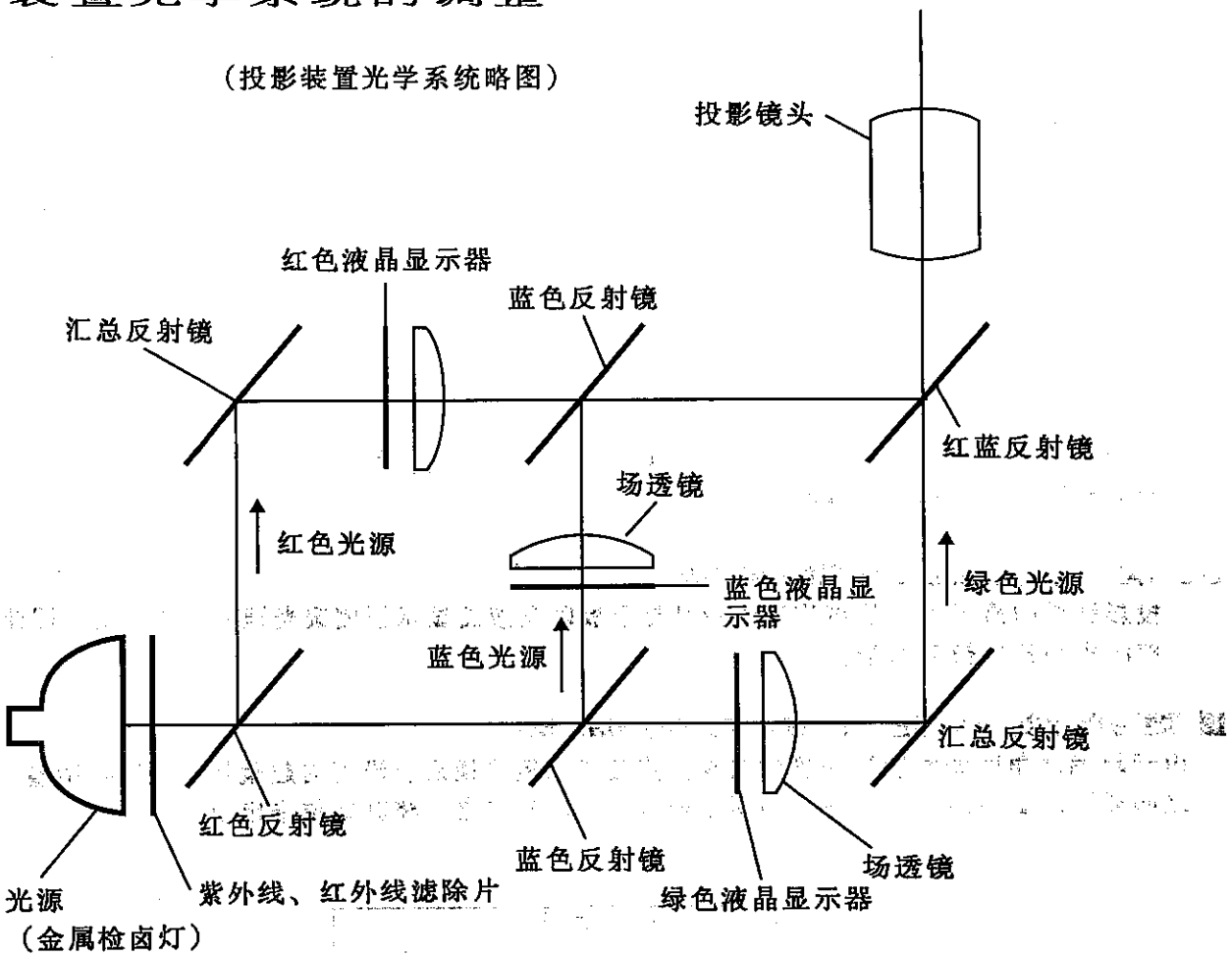




影象投射装置简介

投影装置光学系统的调整

（投影装置光学系统略图）



1. 投影光轴的调整

不需加以光学调整的装置无进行此项光轴调整之必要。（这些装置不能进行此项调整。）

2. 液晶显示器平行度的调整

红色：红色液晶显示器→场透镜→红蓝反射镜→投影镜头

绿色：绿色液晶显示器→场透镜→汇总反射镜→投影镜头

蓝色：蓝色液晶显示器→场透镜→蓝色反射镜→红蓝反射镜→投影镜头

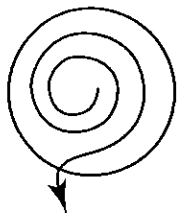
分别独立地调整各原色液晶显示器，使汇总色彩图象及聚焦程度均达最佳效果之程度。

■ 镜头及各反射镜的清擦

1. 镜头的清擦

●清擦剂：

一般以酒精和乙酞的混合剂为宜。使用时，根据使用环境的温度条件，适当调节两者的混合浓度比。通常以用其混合液拂拭镜头表面后立即挥发，不留液迹为最佳。乙酞混合量越多，挥发越快。



●清擦方法：

用洗净、漂白的软棉布或用商店贩卖的镜头纸拂拭为宜。清擦方法是，一手握住镜头筒体，另一手的拇指与食指挟住蘸有清擦剂的软布或镜头纸，按右图所示要领从中心向外围，划圆圈似地拂拭镜头表面。

注意，清擦时不宜用力过度，以免损伤镜头表面保护涂层。

2. 反射镜的清擦

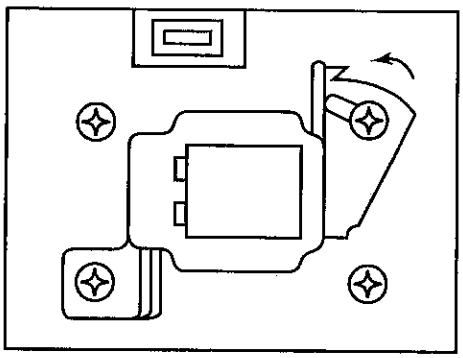
清擦反射镜表面时切勿用力过度，以免损伤其表面涂层。如反射镜表面沾有污垢，请先用酒精清擦后，再用干软布轻轻拂干。

3. 清洁度的经常保持

投影画质的清晰很大程度取决于液晶显示板以及液晶显示板侧聚光镜的清洁程度。因此，应注意经常保持其清洁。

■ 更换液晶显示板后的调整

由于起偏器角度调整装置精度的改善，液晶显示板更换后也没有对起偏板夹板进行调整之必要了。更换时，只需按下图所示逆时针方向旋转之，将其就位卡定便可。



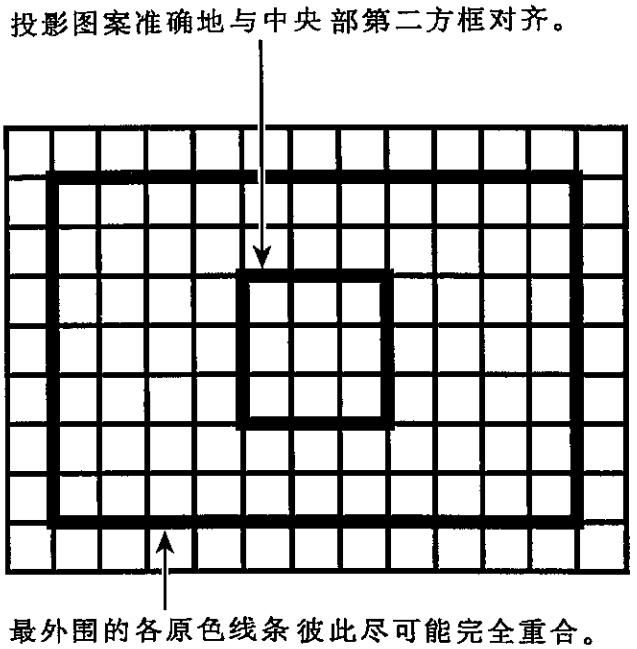
■X轴、Y轴的位置调整

1. 工具与条件

1)图案发生器。

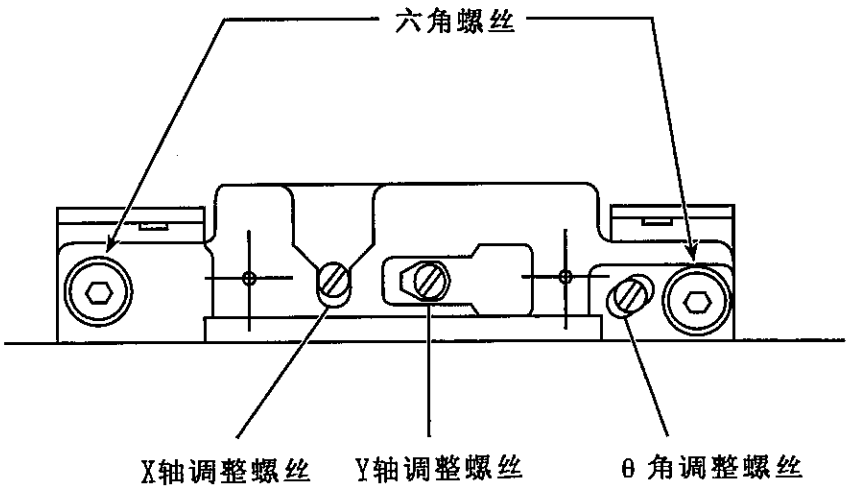
2. 调整事项

1)红色、蓝色光束准确地与绿色光束重合。
2)投影图案准确地与右图所示的中央部的第二方框对齐。
3)最外围的各原色线条彼此尽可能完全重合。



3. 调整步骤

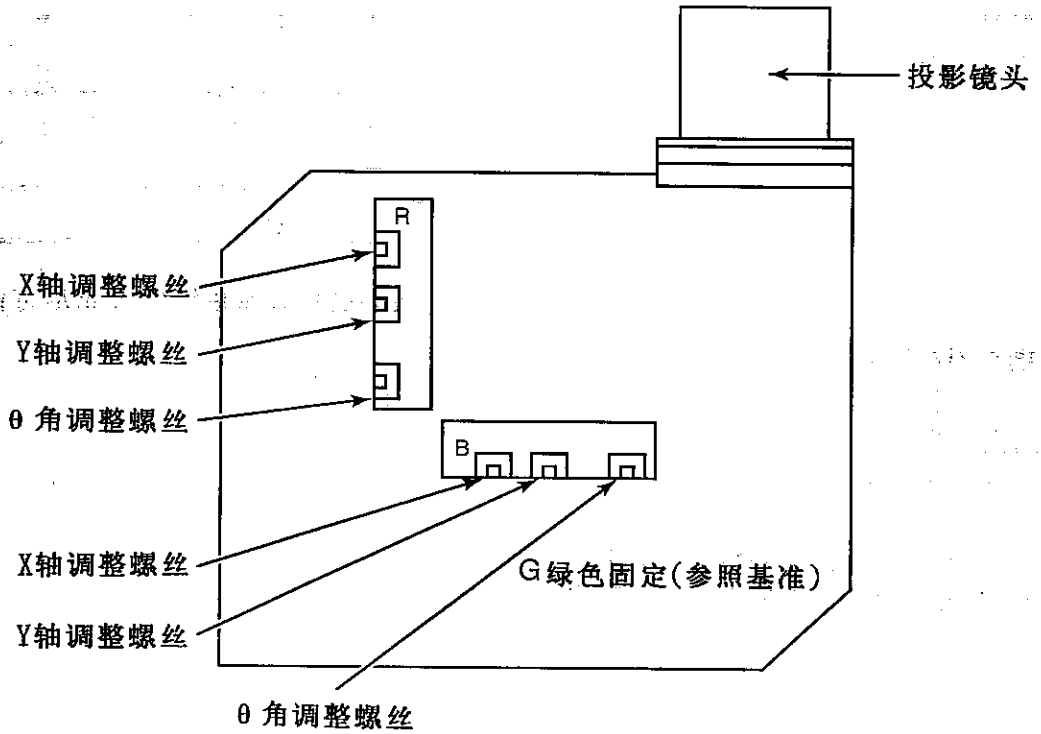
1)分别松开红色与蓝色液晶显示器的各两支固定调整用的六角螺丝。（共4支）
2)通过图案发生器输入棋盘格式图案信号。
3)调整红色液晶显示板。
- ●贴遮光屏于蓝色液晶显示板上（遮挡蓝色光源）
- ●调节X轴调整螺丝，以调整方块的水平方向。
- ●调节Y轴调整螺丝，以调整方块的垂直方向。
- ●调节θ角调整螺丝，以调整方块的倾斜角度。



4)调整蓝色液晶显示板。

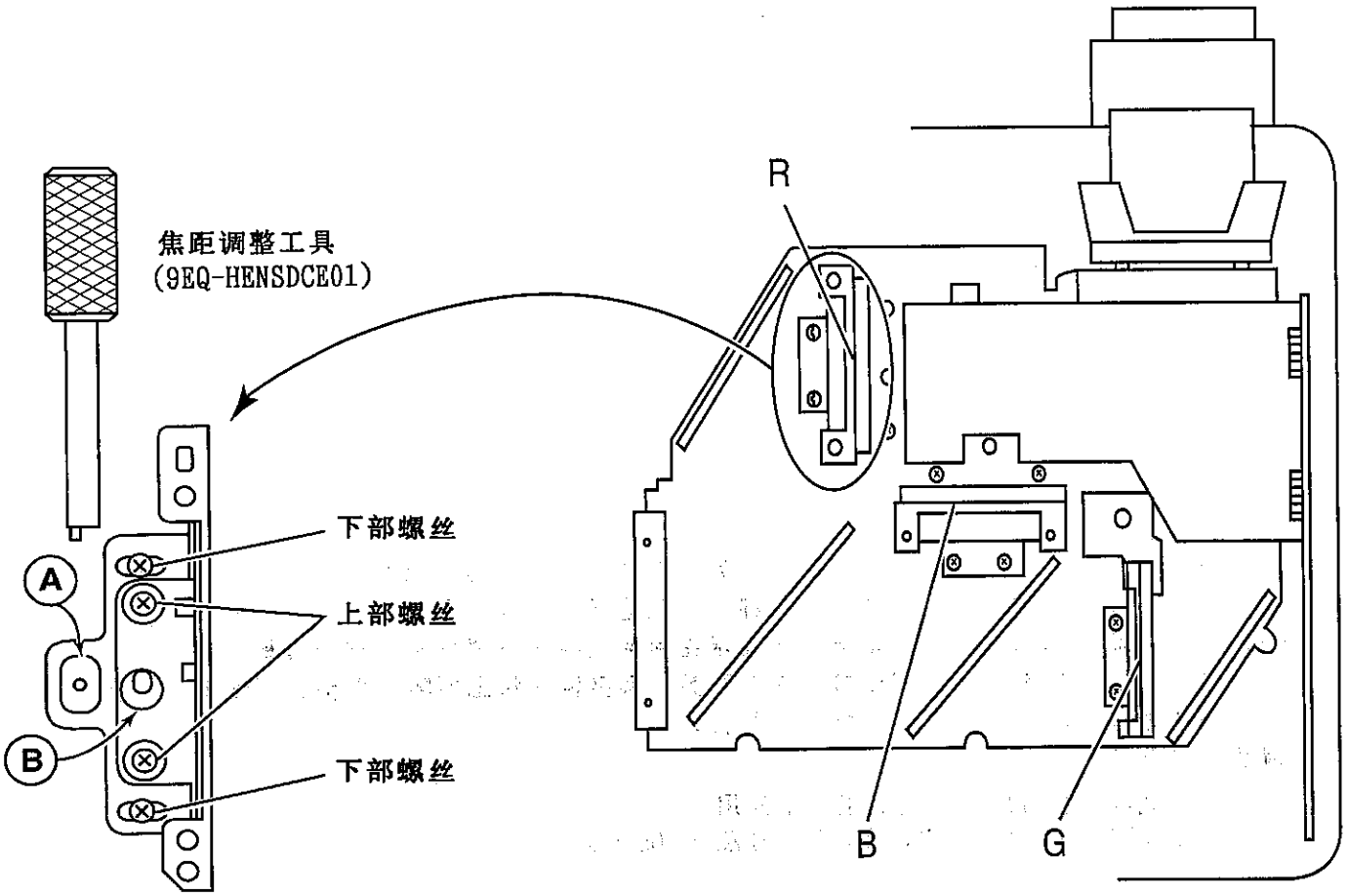
- ●贴遮光屏与红色液晶显示板上（遮挡红色光源）
- ●重迭蓝色光束方块于绿色光束方块之上。
- ●调节X轴调整螺丝，以调整方块的水平方向。
- ●调节Y轴调整螺丝，以调整方块的垂直方向。
- ●调节θ角调整螺丝，以调整方块的倾斜角度。

5)分别以13±1kg-cm的紧固力矩旋紧红色、蓝色固定调整用的各两支六角螺丝（共4支，上述1)所述）。



调整螺丝	旋转方向	红色	蓝色
θ角	顺时针	右侧提起	右侧降下
	逆时针	右侧降下	右侧提起
Y轴	顺时针	下移	上移
	逆时针	上移	下移
X轴	顺时针	右移	左移
	逆时针	左移	右移

焦距的调整



红、蓝色变换器俯视图

1. 取下前盖。
2. 取下顶盖。
3. 按上图（俯视图）所示放置投影机。旋转投影镜头调整绿色焦距。（这时，红、蓝色关闭。）
4. 松去左图所示的两支上部螺丝和两支下部螺丝。松开红色变换器。
5. 遮断绿色和蓝色光线（插入遮光板），以便在银幕上投射红色光线。观察银幕上的红色图象而进行下列步骤。

5-1. 在调整银幕上部的焦距偏移时，插调整工具于红色变换器下部的A部（将调整工具尖端的偏心销镶入A部中央附近的凹孔中）后旋转调整工具。
由此，红色变换器的下部对着光线的进行方向往前后移动，以便调整银幕上部的焦距。边观察银幕上的变化边进行调整，使焦距达至最佳状态。最后，拧紧下部螺丝。

5-2. 在调整银幕下部的焦距偏移时，插调整工具于红色变换器上部的B部（将调整工具尖端的偏心销镶入B部的椭圆形孔中）后旋转调整工具。
由此，红色变换器的上部对着光线的进行方向往前后移动，以便调整银幕下部的焦距。边观察银幕上的变化边进行调整，使焦距达至最佳状态。最后，拧紧下部螺丝。

5-3. 在5-2.的调整完毕后，在银幕上部可能会发生偏移现象。此时，应松开下部螺丝，重新按5-1.的步骤进行焦距的调整，然后拧紧下部螺丝。

6. 旋紧上述四支螺丝。
7. 重复步骤4～6，调整蓝色焦距。
8. 将前盖和顶盖装回原来位置。

调整输入功能

1. 概要

该功能的作用是用调整输入开关(S2001)和投影机的薄膜开关。

2. 所用键钮

[S2001]（调整输入）、[MENU]（选择项目）、[INPUT SELECT]（输入选择）、[SELECT UP：▲]（上选）、[SELECT DOWN：▼]（下选）、[ADJUST+：>]（上调）、[ADJUST—：<]（下调）、[VIDEO+/—](图象强/弱)、[BRIGHT+/—](亮度强/弱)、[COLOR+/—]（色彩浓/淡）、[TINT+/—]（色调强/弱）

3. 最终设定记忆项目

调整项目：调整输入状态下的前一次设定值被记忆装置记忆。

所有项目的调整数据。

4. 调整步骤

4-1. 用[ADJ.IN]（调整输入）开关呼出调整输入设定状态。

4-2. 通过“上选”和“下选”或“上调”和“下调”键选出想加以调整的项目分组。再触按[MENU]键。

4-3. 用“▲”和“▼”或“<”和“>”键选定项目分组内具体想调整的项目。再触按[MENU]键。（触按“▲”和“▼”键，再在选择项目分组内选定下一个调整项目。

4-4. 触按“输入选择”键，于是上一次表示在银幕上的调整项目又出现于银幕。

4-5. 在调整输入状态下再按“调整输入”开关，调整输入状态便随之取消。（调整输入状态在银幕上的表示为英文“ADJ.IN”。）

5. 调整项目分组

注意：在调整项目分组中，LINE组为未使用。
在调整项目分组中的RGB2用于型号XG-3910E/EⒶ。

VIDEO 1	VIDEO 2	VIDEO 3	RGB 1	RGB 2	N • W	LENS	MASK	LINE
SUB-DC	R-BIAS	PAL-H	SUB-C	PICTURE	RED	AUTO	TOP	L1
SUB-C	R-DRIVE	PAL-S-C	PICTURE	BRIGHT	GREEN	POINT	BOTTOM	L2
TINT	B-BIAS	PN-AMP		R-DRIVE	BLUE			L3
COLOR	B-DRIVE	BELL-FO		B-DRIVE	N • W			L4
BRIGHT	W-RGB	SCM-R		PULSE	R+G			OFF TIMER
PICTURE	W-R	SCM-B		H-PHASE	B+G			TEMP1
POWER	W-B	SCM-AMP						TEMP2
	CB-R							
	CB-G							
	CB-B							

视频输入状态：VIDEO 1～3、LENS、MASK和N.W

RGB1输入状态：RGB1、LENS和N.W

RGB2输入状态：RGB2、LENS和N.W

数字/模拟转换操作

VIDEO 1(视频1)
- SUB-DC： 副DC调整
- SUB-C： 副对比度调整
- TINT： 色调调整
- COLOR： 色彩调整
- BRIGHT： 亮度调整
- PICTURE： 图象调整
- POWER： 未使用

VIDEO 2(视频2)
- R-BIAS： 白色平衡（红色）偏压调整
- R-DRIVE： 白色平衡（红色）激励调整
- B-BIAS： 白色平衡（蓝色）偏压调整
- B-DRIVE： 白色平衡（蓝色）激励调整
- W-RGB： 未使用
- W-R： 未使用
- W-B： 未使用
- CB-R： 红色单色反偏压调整
- CB-G： 绿色单色反偏压调整
- CB-B： 蓝色单色反偏压调整

VIDEO 3(视频3)
- PAL-H： PAL制式水平相位调整
- PAL-S-C： PAL制式副对比度调整
- PN-AMP： 未使用
- BELL-FC： 贝尔滤波器调整
- SCM-R： SECAM制式红色亮度信号调整
- SCM-B： SECAM制式蓝色亮度信号调整
- SCM-AMP： SECAM制式信号振幅调整

RGB 1 (红绿蓝原色1)
- SUB-C： 未使用
- PICTURE： 副对比度调整

RGB 2 (红绿蓝原色2)
- PICTURE： 未使用
- BRIGHT： 未使用
- R-DRIVE： 未使用
- B-DRIVE： 未使用
- PULSE： 未使用
- H-PHASE： 水平相位调整

N.W (标准白色)单色显示
- RED： 红色
- GREEN： 绿色
- BLUE： 蓝色
- N.W： 标准白色
- R+G： 红色＋绿色
- B+G： 蓝色＋绿色

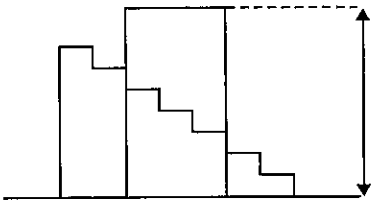
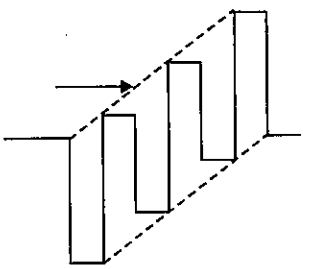
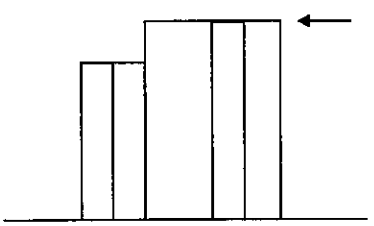
LENS (镜头) 镜头偏移调整
- AUTO： 偏移设定
- POINT： 未使用

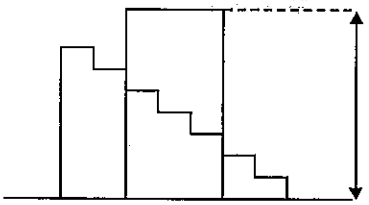
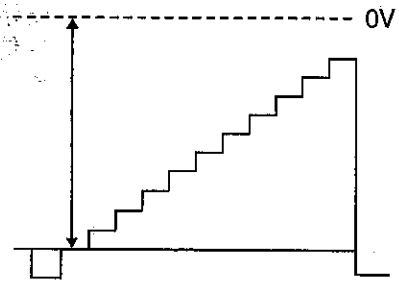
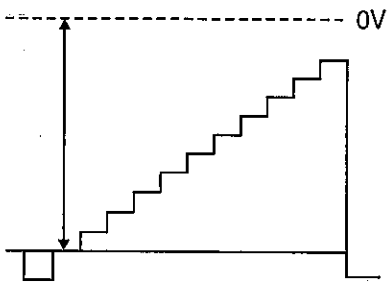
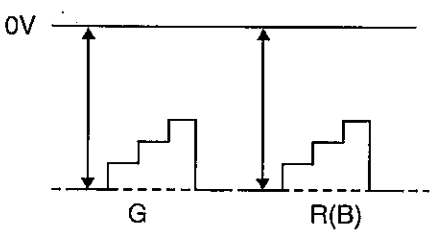
MASK (掩蔽)掩蔽调整
- TOP： 银幕上半部掩蔽定位
- BOTTOM： 银幕下半部掩蔽定位

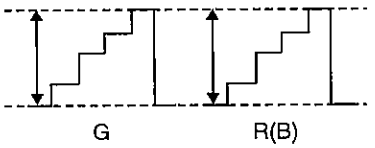
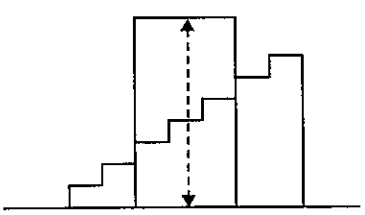
电路调试

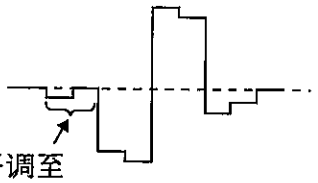
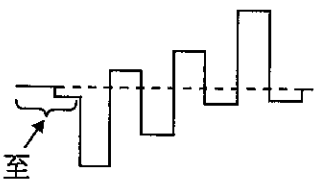
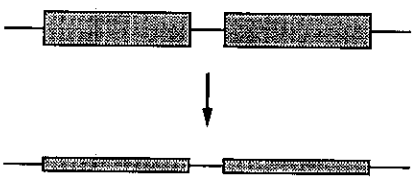
注意：出厂时，虽然设定于最佳位置，但是，若发现设定位置不符规定要求之情况，或者，更换零件时，必须重新调整设定位置。

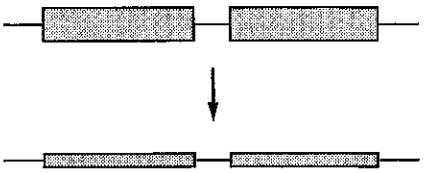
序号	调整部位	调整条件	调整方法
1	变距镜头的定位	1.设变距镜头于标准位置（出厂时被设定的位置），然后呼出下记项目。 主项目：LENS 副项目：AUTO	• 触按DAC(+)键，开启微处理机，使其自动移动镜头的位置并输入镜头定位数据。 注意：切勿将镜头与任何东西碰磕。
2	VCO初级振荡器 L1601 （控制装置）	1.接收单象管图案信号。 2.触按S1601键。	• 调节L1601，使银幕上呈现的图象处于水平同步状态。然后松开开关。
3	水平中心 R1603	1.接收单象管图案信号。	• 调节R1603，使银幕上呈现的图象达至垂直对称状态。
4	扫描行数变换器 振荡器 L4101	1.短接TP4101与GND（接地端）之间。 2.接计频器于TP4102与GND（接地端）之间。 3.解除短接状态。	• 调节L4101，使计频器所测的读数达至15.625±0.01kHz的规定要求。
5	亮度/色度信号 分离器 亮度信号输出 R5066	1.接收NTSC制式彩条信号。 2.接示波器于TP810与GND（接地端）之间。	• 调节R5066，使亮度信号波形的幅值达至0.75±0.05Vp-p的规定要求。
6	N443陷波 T4001	1.接收PAL制式彩条信号。 2.接示波器于TP4001与GND（接地端）之间。	• 调节T4001，使色度信号电平达至最小程度。
7	SECAM陷波 T4002	1.接收SECAM制式彩条信号。 2.接示波器于TP4001与GND（接地端）之间。	• 调节T4002，使色度信号电平达至最小程度。
8	副对比度	1.触按S2001键以呼出下记项目。 主项目：VIDE01 副项目：SUB-C	• 检查输入的数字是否为0。

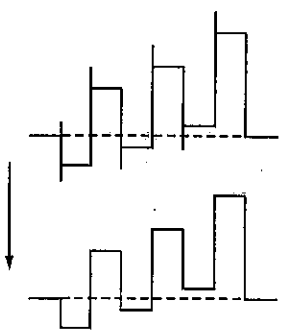
序号	调整部位	调整条件	调整方法
9	AGC(自动增益控制) (粗调) R1539 (主装置)	1.接收NTSC制式彩条信号。 2.接示波器于SC801销(6)与GND（接地端）之间。	• 调节R1539，使消隐信号与白色信号部分之间的电平幅值达至3.0±0.05Vp-p的规定要求。 
10	辅助DC (DAC)	1.接收NTSC制式彩条信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 1 副项目：SUB-DC 3.接示波器于SC801销(5)[IC801的绿色信号输出端的销(17)]与GND(接地端)之间。	• 触按薄膜开关上的图象调整＋/—键，调黑色信号与消隐信号部分之间的电平幅值为0.32±0.05Vp-p。
11	色调 (DAC)	1.接收NTSC制式彩条信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 1 副项目：TINT 3.接示波器于TP802〔IC801的蓝色亮度信号输出端的销(41)〕与GND（接地端）之间。	• 触按薄膜开关上的图象调整＋/—键，调节蓝色亮度信号波形，使青色部分与深红色部分的各波峰可为以斜线所连的规定要求。 
12	色彩 (DAC)	1.接收NTSC制式彩条信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 1 副项目：COLOR 3.接示波器于SC801的销(6)[IC801的红蓝色信号输出端的销(16)]与GND（接地端）之间。	• 触按薄膜开关上的图象调整＋/—键，调最初的红色信号输出电平至100%白色信号电平。 

序号	调整部位	调整条件	调整方法
13	AGC(自动增益控制) R1539 （主装置）	1.接收NTSC制式彩条信号。 2.接示波器于SC801销(6)与GND（接地端）之间。	• 调节1539，使消隐部分与白色部分之间的电平幅值达至3.0±0.05Vp-p的规定要求。 
14	亮度	1.接收10等级灰色色调信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 1 副项目：BRIGHT 3.接示波器于SC1501与GND（接地端）之间。	• 触按薄膜开关上的＋/—键，使黑色信号电平（灰色色调等级为0）达至DC-5.0±0.05Vp-p的规定要求。 
15	图象	1.接收10等级灰色色调信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 1 副项目：PICTURE 3.接示波器于SC1501销(5)与GND（接地端）之间。	• 触按薄膜开关上的＋/—键，使白色部分与黑色部分之间的电平幅值达至3.3±0.05Vp-p的规定要求。 
16	偏压 红色偏压 蓝色偏压	1.接收10等级灰色色调信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 2 副项目：R-BIAS(B-BIAS) 3.接示波器的频道1探针于SC1501销(5)与GND（接地端）之间。 4.接示波器的频道2探针于SC1501[SC1501的销(3)(蓝色)]的销(4)（红色）与GND（接地端）之间。	●触按薄膜开关的＋/—键，调DC电平（灰色色调等级为0）至绿色信号输出电平。 

序号	调整部位	调整条件	调整方法
17	激励 红色激励 蓝色激励	1.接收10等级灰色色调信号。 2.按顺时针方向完全旋转R1505旋钮。 3.触按S2001键以呼出下记项目。 主项目：VIDEO 1 副项目：R-DRIVE(B-DRIVE) 4.接示波器的频道1探针于SC1501销(5)与GND（接地端）之间。 5.接示波器的频道2探针于SC1501[SC1501的销(3)(蓝色)]的销(4)(红色）与GND（接地端）之间。	• 触按薄膜开关的＋/—键以达至相同波形。 
18	γ值 R1989 R1978	1.接收10等级灰色色调信号。 2.接DC伏特计于P1901销(1)与GND（接地端）之间。 3.接DC伏特计于P1901销(2)与GND（接地端）之间。	• 调节R1989，使伏特计所测的读数达至—4.0±0.05V的规定要求。 • 调节R1978，使伏特计所测的读数达至—3.4±0.05V的规定要求。
19	白色至白色之间的电平幅值 R1963	1.接收10等级灰色色调信号。 2.接示波器于TP180的销(3)（绿色信号输出端）与GND（接地端）之间。	• 调节R1963，使白色至白色之间的电平幅值达至2.60±0.05Vp-p的规定要求。
20	PAL制式副对比度(DAC)	1.接收PAL制式彩条信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 3 副项目：PAL-SUB-C 3.接示波器于SC1501销(5)与GND（接地端）之间。	• 触按薄膜开关上的图象调整＋/—键，使黑色部分至白色部分（负极）间的电平幅值达至3.3±0.1Vp-p的规定要求。 

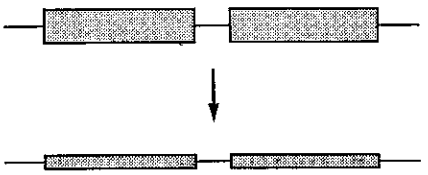
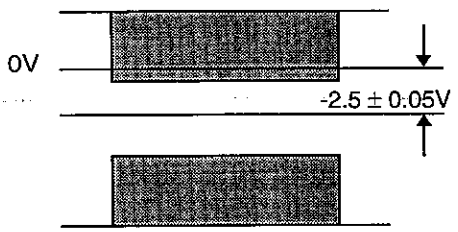
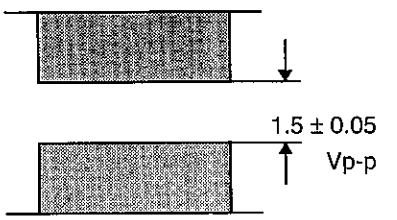
序号	调整部位	调整条件	调整方法
21	SECAM制式红色亮度(DAC)	1.接收SECAM制式彩条信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 3 副项目：SCM-R-Y 3.接示波器于TP809[IC802的销(30)]与GND（接地端）之间。	• 触按薄膜开关上的图象调整＋/—键以调至相同的DC电平。  电平调至 相同程度
22	SECAM制式蓝色亮度(DAC)	1.接收SECAM制式彩条信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 3 副项目：SCM-B-Y 3.接示波器于TP808[IC802的销(29)]与GND（接地端）之间。	• 触按薄膜开关上的图象调整＋/—键以调至相同的DC电平。  电平调至 相同程度
23	SECAM制式振幅(DAC)	1.接收SECAM制式彩条信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 3 副项目：SCM-AMP 3.接示波器于SC801销(4)与GND（接地端）之间。	• 触按薄膜开关上的图象调整＋/—键，使其振幅尽可能接近75%白色电平。 尽可能接近 75%白色电平 75%白色电平
24	PAL制式水平中心(DAC)	1.接收PAL制式或SECAM制式单象管图案信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 3 副项目：PAL-H	• 触按薄膜开关上的图象调整＋/—键，使左右的过扫描线调至相同程度。
25	白色平衡（红色） R1970	1.接收单象管图案信号。 2.分别接示波器的频道1探针和频道2探针于TP180销(3)（绿色信号输出端）与GND(接地端)之间以及TP180销(1)(红色信号输出端)与GND（接地端）之间。 翻转频道2的波形后再加入频道1和频道2的波形。	• 调节R1970，使所示波形达至最小程度。 

序号	调整部位	调整条件	调整方法
26	白色平衡 (蓝色) R1958	1.接收单象管图案信号。 2.分别接示波器的频道1探针和频道2探针于TP180销(3)（绿色信号输出端）与GND(接地端)之间以及TP180销(5)与GND（接地端）之间。 翻转频道2的波形后再加入频道1和频道2的波形。 3.短接P1603的销(1)与(2)之间，以停止水平锯齿波形调制电路的工作。	• 调节R1958，使所示波形达至最小程度。 
27	左右彩色浓淡 R1650 (控制装置)	1.接收单象管图案信号。 2.解除P1603处的短接状态。	• 调节R1650，使左右的彩色浓淡达至最淡程度。 • 分别翻转左右边的彩色浓淡状态时，检查左右浓淡的不均匀性是否为最小程度。
28	共用偏压 红、绿、蓝色 R1801(红色) R1803(绿色) R1802(蓝色) (控制装置)	1.接收单象管图案信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 2 副项目：CB-R、CB-G、CB-B	• 副项目为CB-R时，调节R1801，使对比度达至最清晰之程度。 • 副项目为CB-G时，调节R1803，使对比度达至最清晰之程度。 • 副项目为CB-B时，调节R1802，使对比度达至最清晰之程度。
29	白色平衡（精调）	1.按与序号22和23相同步骤进行。	• 肉眼检查白色平衡状态。若有必要，重新进行调整。
30	掩蔽 (DAC)	1.接收单象管图案信号。 2.触按S2001键以呼出下记项目。 主项目：MASK 副项目：TOP、BOTTOM	• 触按薄膜开关上的图象调整＋/—键，分别调顶部和底部的过扫描线至95%。
31	文字表示位置 T2001 （主装置）	1.接收单象管图案信号。	• 调节T2001，使FOCUS字样移至银幕的中心位置。 • 检查“FOCUS”字样是否与水平析象线对齐。

序号	调整部位	调整条件	调整方法
32	预热开关	1.对投影机进行预热处理时，作键盘输入以检查蓝色背景开关是否置于OFF位置。 2.出厂之前，必须触按遥控器上的键钮，将初始值设定于4。 （否则，蓝色背景关机定时器不能起动，在银幕上只留有蓝色背景。）	• 持续触按遥控器上的键钮1秒以上，以设定初始值于4。
参考	SECAM制式 贝尔滤波器 (DAC) (修理时)	1.接收SECAM制式彩条信号。 2.触按S2001键以呼出下记项目。 主项目：VIDEO 3 副项目：BELL-FO 3.接示波器于TP808[IP802的销(29)]与GND（接地端）之间。	• 触按薄膜开关上的图象调整＋/—键，使与各不同色彩之间的界线呈现为清晰状态。 
33	RGB1(红、绿、蓝原色1)副对比度	1.接收通往RGB1的0.7-Vp-p NTSC制式彩条信号。 2.触按S2001键以呼出下记项目。 主项目：RGB1 副项目：SUB-C 3.接示波器于SC1501销(5)与GND（接地端）之间。	• 触按薄膜开关上的图象调整＋/—键，使消隐部分至白色部分之间的电平幅值达至3.3±0.1Vp-p的规定要求。

注意：序号34至41的内容适用于型号XG-3910E/E㊒。

34	VGA增益 (准备) (R3213)	1.接收MAC16色调信号。 2.接示波器于TP1801。 3.粗调R3213，使波形的黑色部分达至最清晰之程度。	• 红色：TP1801，R3213 • 绿色：TP1803，R3202 • 蓝色：TP1805，R3205

序号	调整部位	调整条件	调整方法
35	VGA增益 R3055(红色) R3252(绿色) R3049(蓝色) (VGA) TP3301为短接状态。	1.接收MAC16色调信号。 2.分别接示波器的频道1探针和频道2探针于TP1801（R2输出端）与GND（接地端）之间以及TP1802（R1输出端）与GND（接地端）之间。 翻转频道2的波形后再加入频道1和频道2的波形。 G（绿色）：TP1803和TP1804 B（蓝色）：TP1805和TP1806	• 调节R3055，使波形的幅值达至最小程度。 关于G(绿色)和B(蓝色)，分别使用R3252和R3049进行调整。 
36	中心偏压 R3213(红色) R3202(绿色) R3205(蓝色) (VGA)	1.接收MAC16色调信号。 2.接示波器于TP1801与GND（接地端）之间。 G（绿色）：TP1803 B（蓝色）：TP1805	• 调节R3213，使上部与下部波形之间的中心电平达至—2.5±0.05Vp-p的规定要求。 （关于G(绿色)和B(蓝色)，分别使用R3202和R3205进行调整。） 
37	VGA亮度 R3062(红色) R3063(绿色) R3064(蓝色) (VGA)	1.接收MAC16色调信号。 2.接示波器于TP1801与GND（接地端）之间。 G（绿色）：TP1803 B（蓝色）：TP1805	• 调节R3062，使上部至下部白色部分之间的电平幅值达至1.5±0.05Vp-p的规定要求。 (关于G(绿色)和B(蓝色)，分别使用R3063和R3064进行调整。） 
38	VGA白色平衡 (微调) R3062	1.接收MAC16色调信号。	• 调节R3062和R3064，观察检查白色平衡状态是否符合CRT上显示的状态。
39	左右彩色浓淡 R3313	1.解除TP3301处的短接状态。 2.接收MAC灰色色调图表信号。	• 调节R3313，使左右色差达至最小程度。

序号	调整部位	调整条件	调整方法
40	MAX相位 (DAC)	1.接收MAX重叠图案信号。 2.触按S2001键以呼出下记项目。 主项目：RGB2 副项目：H-PHASE	• 触按薄膜开关上的图象调整＋/—键，使银幕上的噪声线达至最小程度。
41	时钟脉冲相位 R1940 R1935 R1945	1.接收重叠图案信号。 2.设投影机于标准状态。 3.G(绿色)和B(蓝色)亦应按同样要领进行调整。但是，此项调整只在重叠图案分为各自图案或出现垂直条纹时进行。在视频状态下，可能会偏离此图案的相位。因此，按与向上下左右方翻转图案时的相同要领进行检查视频状态下的相位。	• 调节R1940(绿色)、R1935(红色)和R1945(蓝色),以免重叠图案分为各自图案或出现垂直条纹。

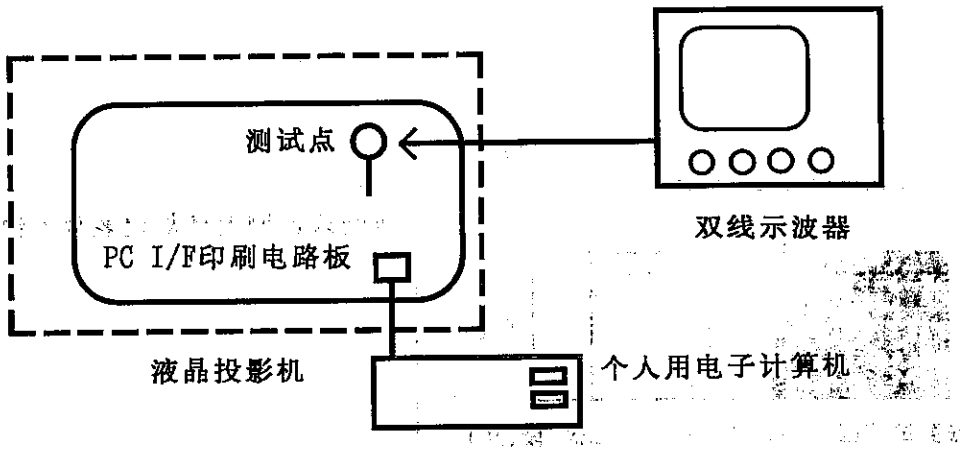
PC I/F印刷电路板的调整

注意：该调整适用于型号XG-3910E/EⒶ。

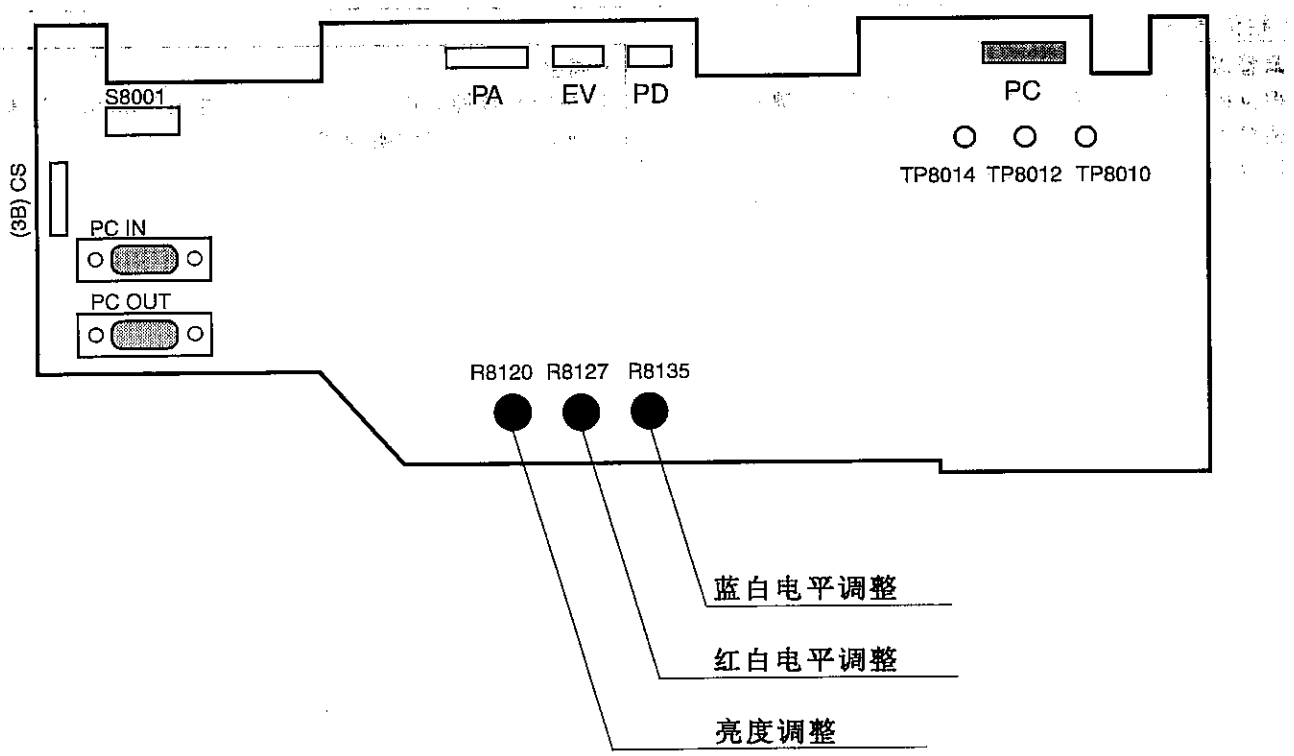
模拟部分的调整

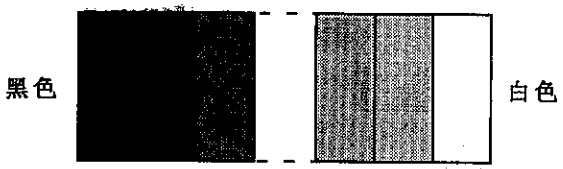
装置或工具	备注
个人用电子计算机	IBM-PC(VGA)、Machintosh(640*840)
控制旋钮调节用螺丝刀	

调整系统的布置

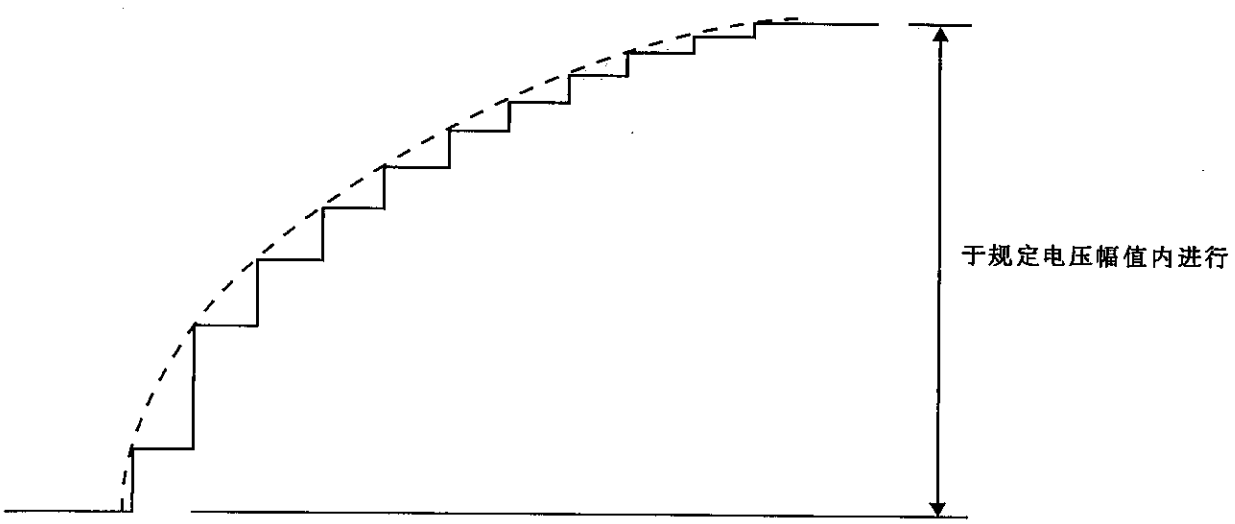


控制旋钮的位置



调整条件	调整方法
• 电平与增益的调整（模拟输出计算机）	
测试点 PC接线器的销(9)(绿色、亮度)：TP8014 PC接线器的销(5)（蓝色）：TP8012 PC接线器的销(1)（红色）：TP8010 调整点 R8120：亮度调整 R8135：蓝白色电平调整 R8127：红白色电平调整 调整准备 1.设滤波器开关(S8001)于“OFF”(关)之位置。 2.将LCP调整电平复原。(触按遥控器或投影机上的“MENU”(选择项目)键钮，选择“RGB2”项目分组，再按下“RESET”(复位)键。) 3.将上述各项调整控制钮设于其机械中心位置。 4.接一台个人用计算机(PC-9801或IBM-PC(VGA))于PC IN接线器。让16色调图表现于银幕。  5.设示波器测试范围为10微秒/段以及0.2伏/段(AC)。	• 亮度调整（绿白色电平调整） 1.接示波器于PC接线器的销(9)(TP8014)。 2.调节亮度调整控制(R8120)，使色调图最大振幅达至0.95Vp-p。 • 蓝白色电平调整 3.接示波器于PC接线器的销(5)(TP8012)。 4.调节蓝白色电平调整控制(R8135)，使色调图最大振幅达至0.95Vp-p。 • 红白色电平调整 5.接示波器于PC接线器的销(1)(TP8010)。 6.调节红白色电平调整控制(R8127)，使色调图最大振幅达至0.95Vp-p。 注意： 须确认色调图按规定表现于银幕。
• 相位调整	
调整点 相位控制键(“PHASE＜”键和“PHASE＞”键) 调整准备 1.设滤波器开关(S8001)于“OFF”(关)之位置。 2.向个人用计算机输入指令，让其在银幕上表现一个“H”的字样。	• 调整 1.触按相位控制键（“PHASE＜”键和“PHASE＞”键)，使图象达至最鲜明的程度。

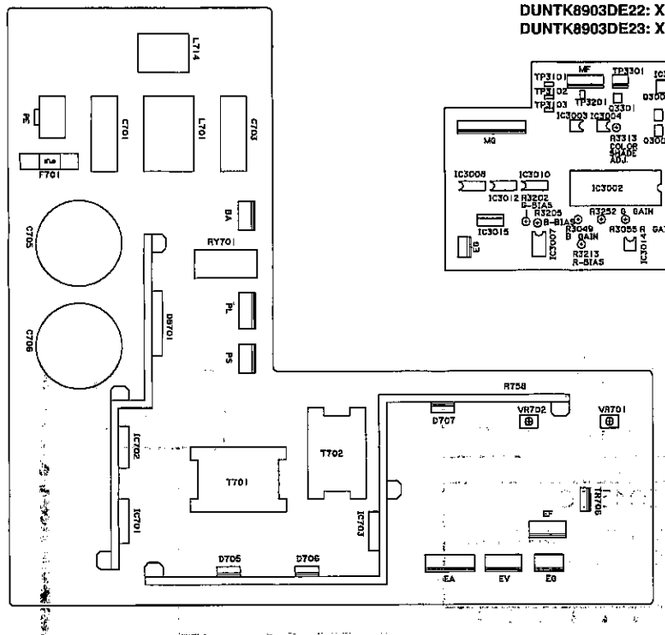
PC接线器调整波形



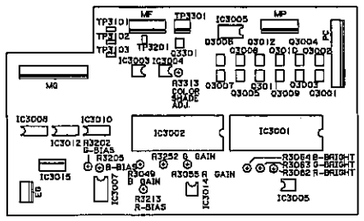
XG-3910E	XG-3910E
XV-3410S	XV-3410S

CHASSIS LAYOUT / CHASSIS-ANORDNUNG 机芯底盘电路布置

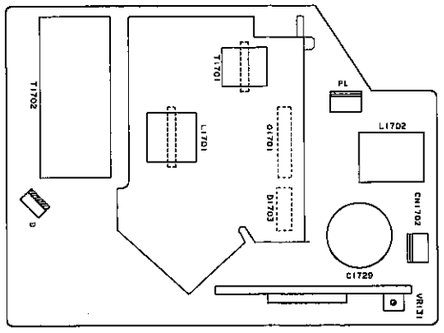
POWER UNIT
RDENC0209CEZZ: XG-3910E/EA
RDENC0169CEZZ: XV-3410S



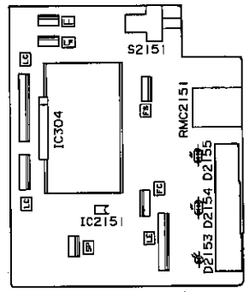
VGA AMP UNIT
DUNTK8903DE22: XG-3910E
DUNTK8903DE23: XG-3910EA



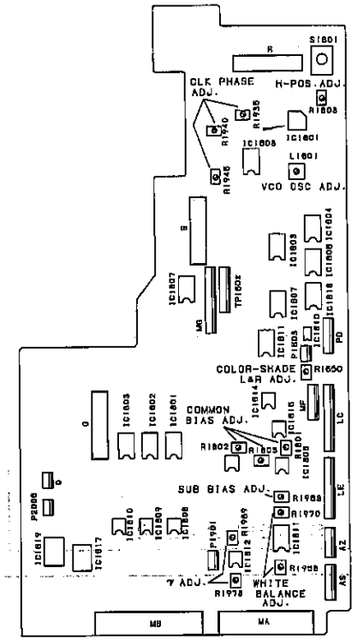
BALLAST UNIT
RDENC0210CEZZ: XG-3910E/EA
RDENC0177CEZZ: XV-3410S



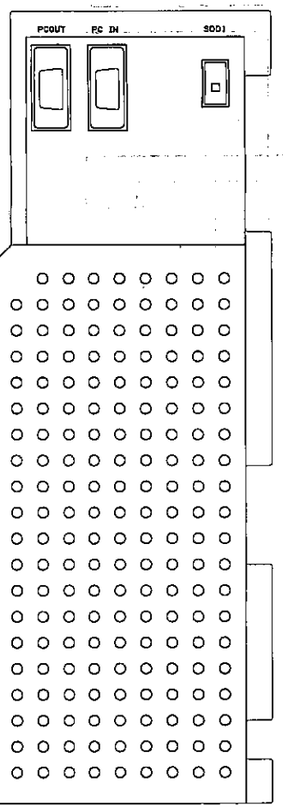
AUDIO AMP/LED UNIT
DUNTK9217DE06: XG-3910E
DUNTK9217DE07: XG-3910EA
DUNTK9217DE05: XV-3410S

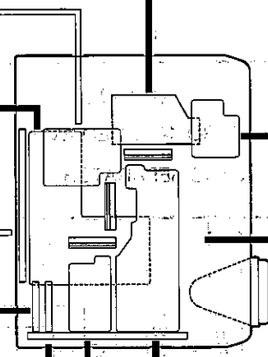


CONTROL UNIT
DUNTK9216DE06: XG-3910E
DUNTK9216DE07: XG-3910EA
DUNTK9216DE05: XV-3410S

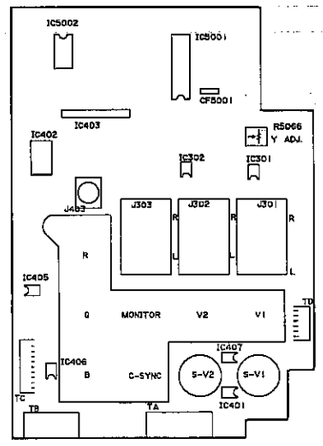


PC I/F UNIT
RPCI-0018CEZZ: XG-3910E/EA

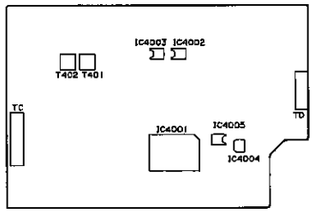




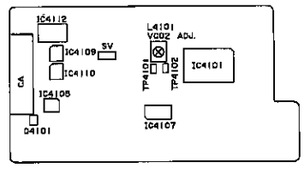
INPUT UNIT
DUNTK9221DE06: XG-3910E
DUNTK9221DE07: XG-3910EA
DUNTK9221DE05: XV-3410S



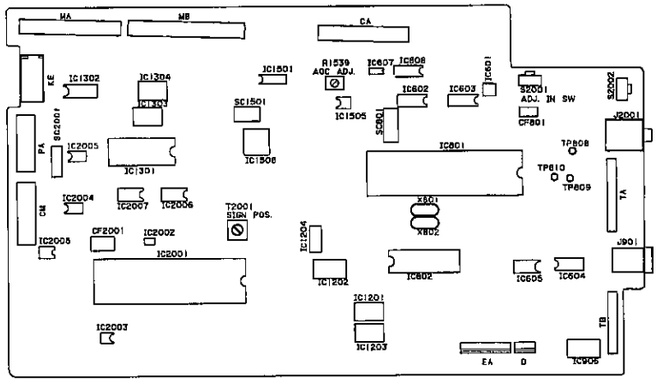
Y/C SEPARATOR UNIT
DUNTK9220DE06: XG-3910E
DUNTK9220DE07: XG-3910EA
DUNTK9220DE05: XV-3410S

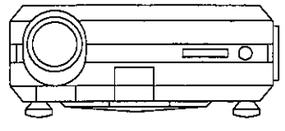


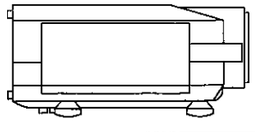
SCAN CONVERTER UNIT
DUNTK8965DE22: XG-3910E, XV-3410S
DUNTK8965DE23: XG-3910EA

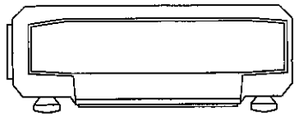


MAIN UNIT
DUNTK9215DE06: XG-3910E
DUNTK9215DE07: XG-3910EA
DUNTK9215DE05: XV-3410S



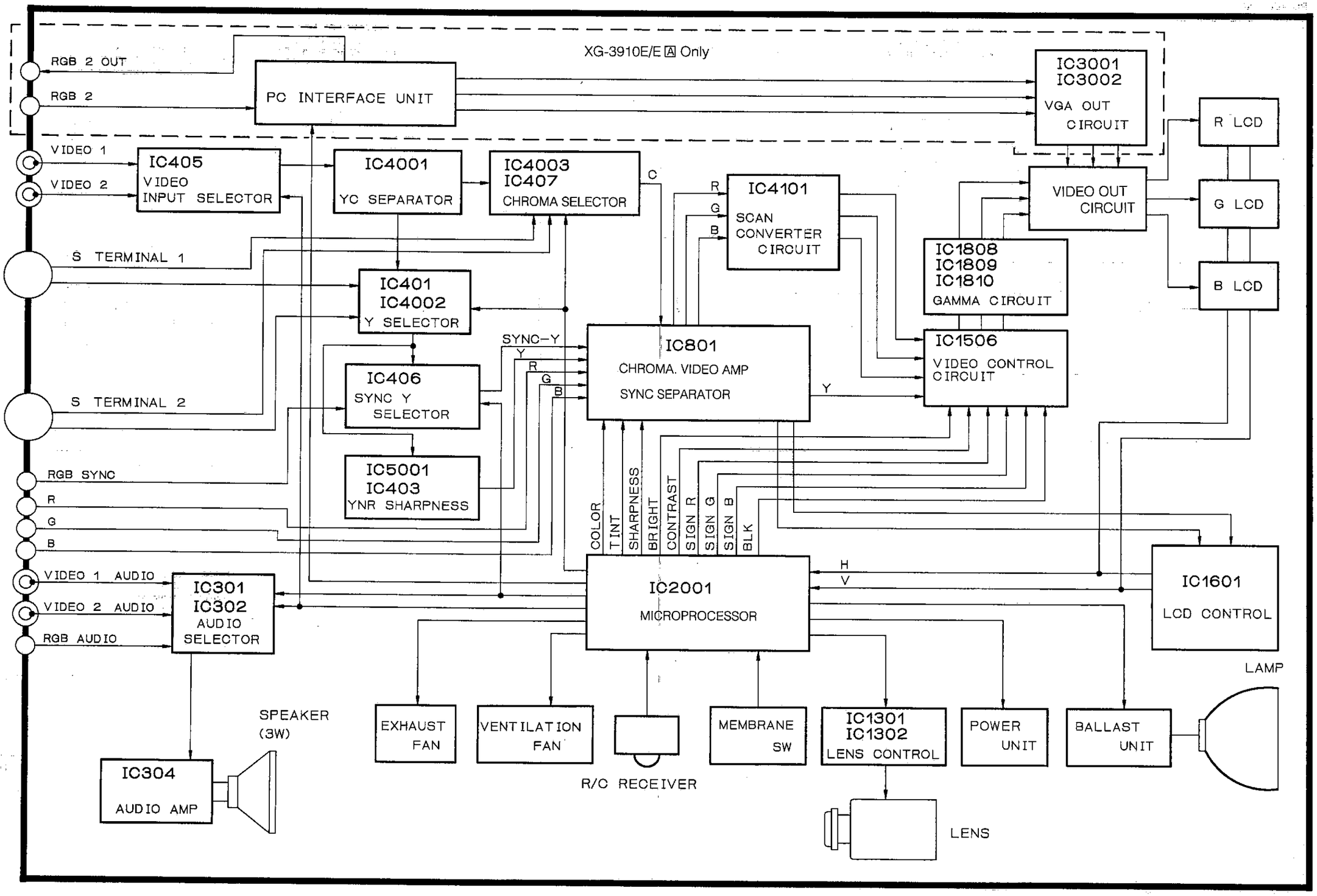






XG-3910E	XG-3910E
XV-3410S	XV-3410S

BLOCK DIAGRAM / BLOCKSCHALTBILD 电路方框图



XG-3510E	XG-3510E
XV-3410S	XV-3410S

DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. Voltages at test points are measured at the supply voltage of AC 220V. Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20-kohm/V tester.

WAVEFORM MEASUREMENT CONDI-TION:

1. Waveforms at test points are observed at the supply voltage of AC 220V. Signals are fed by a colour bar signal generator for servicing purpose.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted. (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/10W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.
   - Ⓒ: Solid
   - Ⓦ: Cement
   - Ⓢ: Oxide Film
   - Ⓣ: Special
   - Ⓝ: Metal Coating

CAPACITOR

1. All capacitors are μF, unless otherwise noted. (P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.
   - (ML): Mylar
   - (TA): Tantalum
   - (PF): Polypro Film
   - (ST): Styrol

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTE:

1. *DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACEING PARTS.*
2. *SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.*

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "⚠" ([redacted])ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS

SPANNUNGSMESSUNGEN:

1. Spannungen an den Prüfpunkten werden bei einer Netzspannung von 220V gemessen, Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt, und Spannungen werden mit einem Meßinstrument (20 kΩ/V) ermittelt.

SIGNALFORMMESSUNGEN:

1. Die Wellenformen an den Testpunkten werden bei einer Netzspannung von 220V verfolgt. Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt.

BEZEICHNUNG DES WIDERSTANDS UND KONDENSATORS:

WIDERSTAND

1. Die Widerstandseinheit "Ω" wird weggelassen. (K=kΩ=1000 Ω, M=MΩ).
2. Alle Widerstände haben ± 5%, sofern nicht anders angegeben. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. Alle Widerstände haben 1/10W, sofern nicht anders angegeben.
4. Alle Widerstände sind Kohletyp, sofern nicht anders angegeben.
   - Ⓒ: Fest
   - Ⓦ: Zement
   - Ⓢ: Oxidfilm
   - Ⓣ: Spezial
   - Ⓝ: Metallüberzug

KONDENSATOR

1. Die Kapazitätseinheit ist μF, sofern nicht anders angegeben. (P=pF=μμF).
2. Alle Kondensatoren haben 50V, sofern nicht anders angegeben.
3. Alle Kondensatoren sind Keramiktyp, sofern nicht anders angegeben.
   - (ML): Mylar
   - (TA): Tantal
   - (PF): Polyprofilm
   - (ST): Styrol

ACHTUNG:
bei diesem Schaltplan handelt es sich um den ursprünglichen. Esönnen daher geringfügige Unterschiede zu dem Ihrem bestehen.

SICHERHEITSANMERKUNGEN:

1. *VOR DEM AUSWECHSELN VON TEILEN MUSS UNBEDINGT NETZSTECKER AUS DER NETZSTECKDOSE GEZOGEN WERDEN.*
2. *DIE WARMEABLEITER DER HALBLEITER SOLLTEN BEIM BETRIEB DES CHASSIS ALS MÖGLICHE URSACHEN VON GEFÄHRLICHEN ELEKTRISCHEN SCHLÄGEN BETRACHTET WERDEN.*

WICHTIGE SICHERHEITSANMERKUNGEN:

MIT "⚠"([redacted])BEZEICHNETEN TEILE SIND BESONDERS WICHTIG FÜR DIE AUFRECHTERHALTUNG DER SICHERHEIT . BEIM WECHDIESER TEILE SOLLTEN DIE VORGESCHRIEBENEN TEILE IMMER VERWENDET WERDEN, UM SOWOHL DIE SICHERHEIT ALS AUCH DIE LEISTUNG DES GERÄTES AUFRECHTZUERHALTEN.

电 路 原 理 图 的 说 明

电压测定条件：

1. 各测试点上的电压值是用AC220V电源电压来测定的。各种信号由维修专用的彩条信号发生器产生的，各种有关电压值是用20千欧姆/伏测试仪测定的。

波形测定条件：

1. 各测试点上的波形是用AC220V电源电压观察到的。各种信号由维修专用的彩条信号发生器产生的。

电阻与电容器的表示：

电阻

1. 电阻欧姆"Ω"单位予以略记。（K=kΩ=1000Ω，M=兆Ω）。
2. 除特别说明者外，所有的电阻为±5%。（J=±5%，F=±1%，D=±0.5%）。
3. 除特别说明者外，所有的电阻功率为1/10W。
4. 除特别说明者外，所有的电阻为碳质。
   - Ⓒ：固体电阻
   - Ⓦ：陶瓷电阻
   - Ⓢ：氧化膜电阻
   - Ⓣ：特殊电阻
   - Ⓝ：金属涂层电阻

电容器

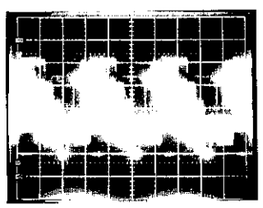
1. 除特别说明者外，所有的电容器单位为微法（μF）。（P=微微法=μμF）。
2. 除特别说明者外，所有的电容器为50伏。
3. 除特别说明者外，所有的电容器为陶瓷质。
   - （ML）：聚酯薄膜电容器
   - （TA）：钽质电容器
   - （PF）：聚乙烯薄膜电容器
   - （ST）：聚苯乙烯电容器

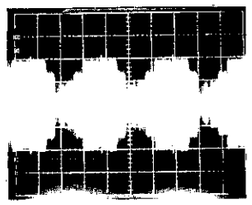
注意：
这里的电路原理图均为最初设计原理图，与您的机器的电路原理图可能有不同之处。

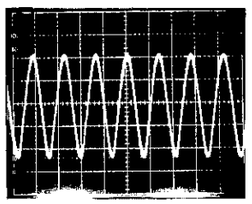
安全使用注意事项：
1. 在进行部件更换之前，务请拔出电源插头。
2. 本装置工作时，机芯底盘的半导体散热片有触电之虑，务请注意。

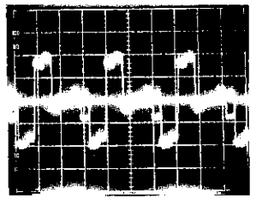
安全使用注意要点：
标有"⚠"（ [redacted] ）的部件对于投影机安全的维护有至关重要的意义。为了维护本机的安全和使本机能正常工作，必须使用指定品来更换这些部件。

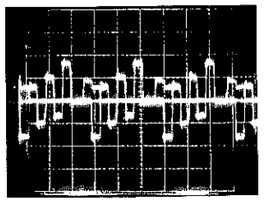
WAVEFORMS
WELLENFORMEN
波形图

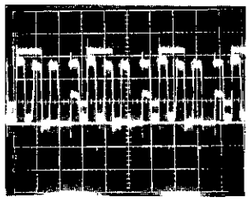

① 0.5V/div, 20μsec/div

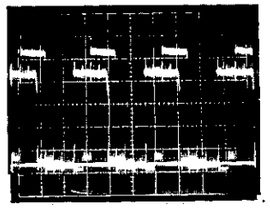

② 0.2V/div, 20μsec/div

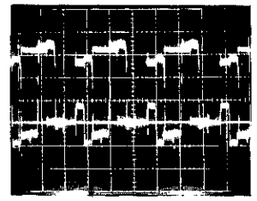

③ 0.5V/div, 50μsec/div


④ 0.2V/div, 20μsec/div


⑤ 0.2V/div, 20μsec/div


⑥ 1V/div, 20μsec/div


⑦ 1V/div, 20μsec/div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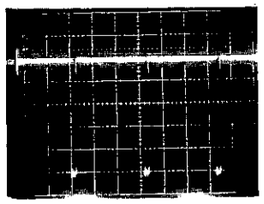
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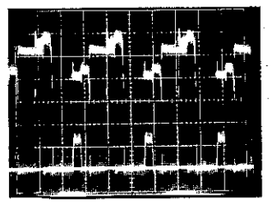
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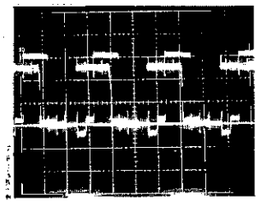
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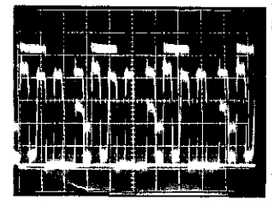
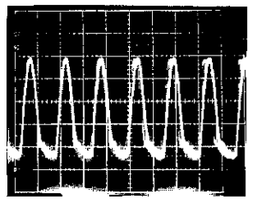
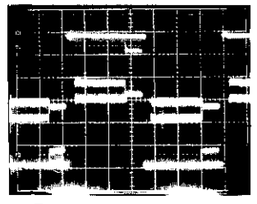
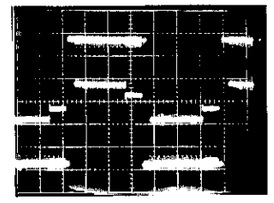
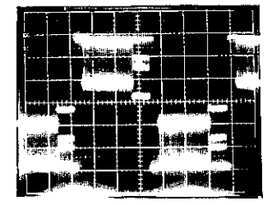

⑫ 1V/div, 20μsec/div


⑬ 0.1V/div, 0.1μsec/div

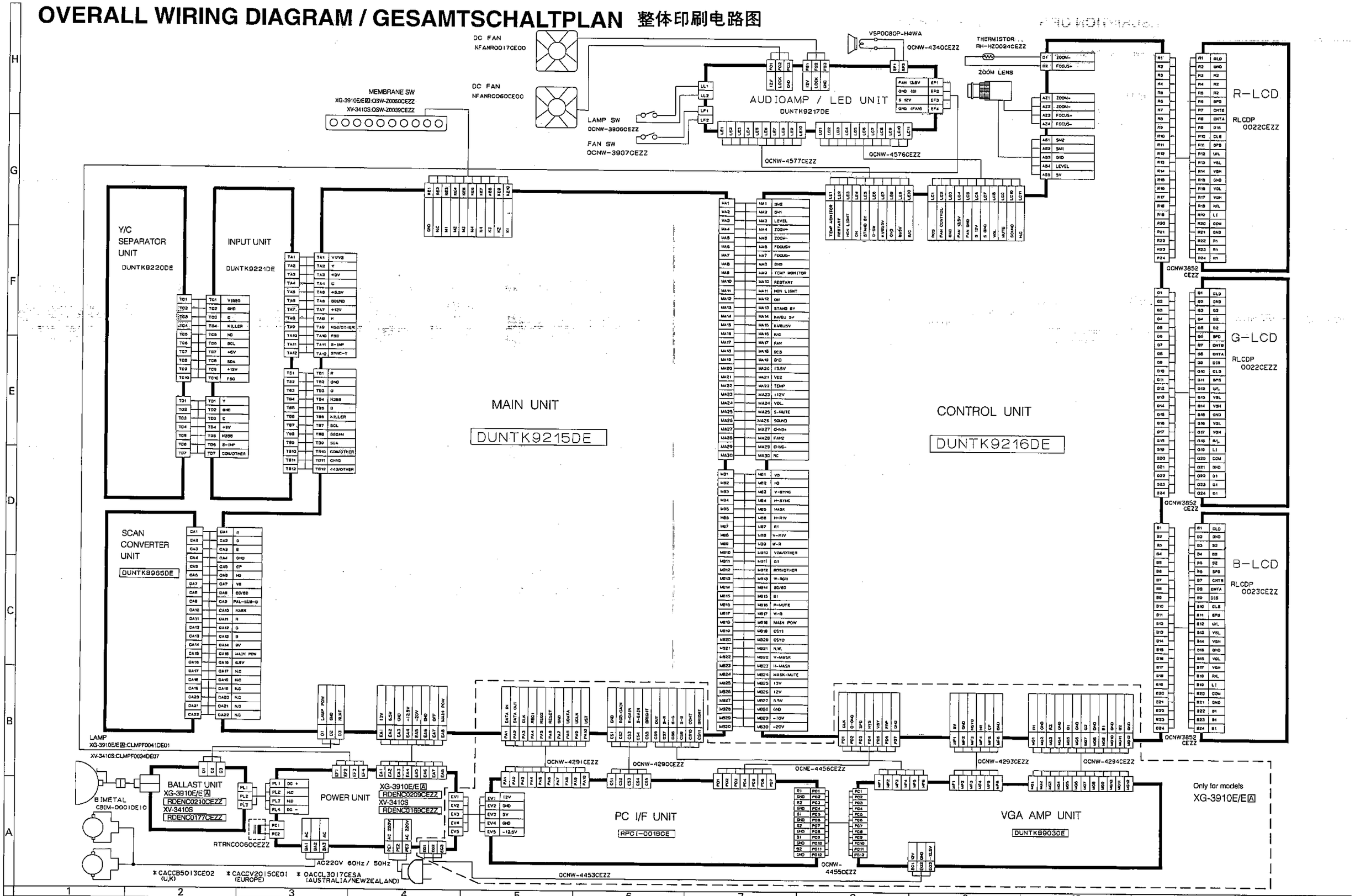

⑭ 2V/div, 5msec/div


⑮ 2V/div, 5msec/div


⑯ 2V/div, 5msec/div

XG-3910E	XG-3910E
XV-3410S	XV-3410S

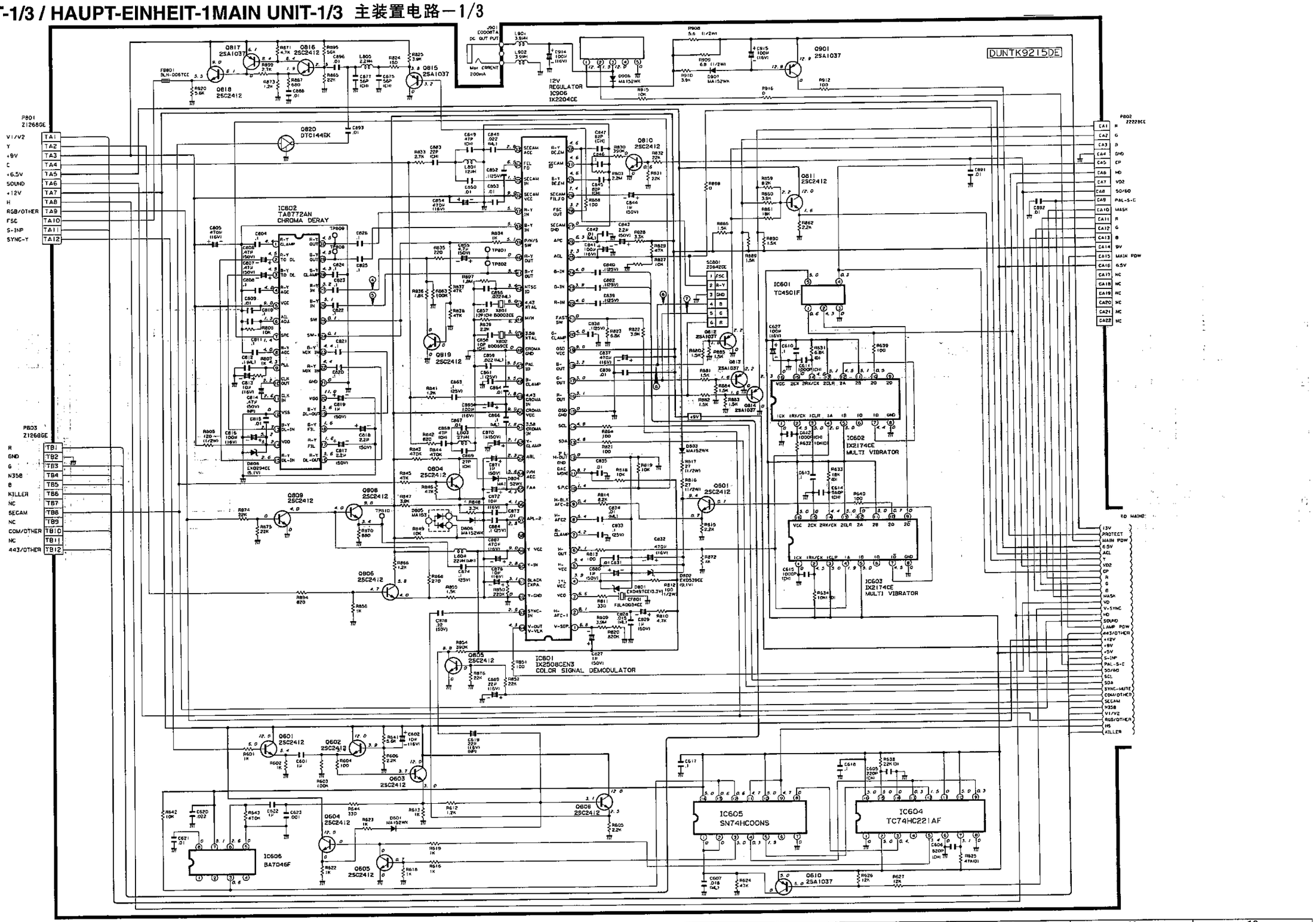
OVERALL WIRING DIAGRAM / GESAMTSCHALTPLAN 整体印刷电路图



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODELS XG-3910E/E A

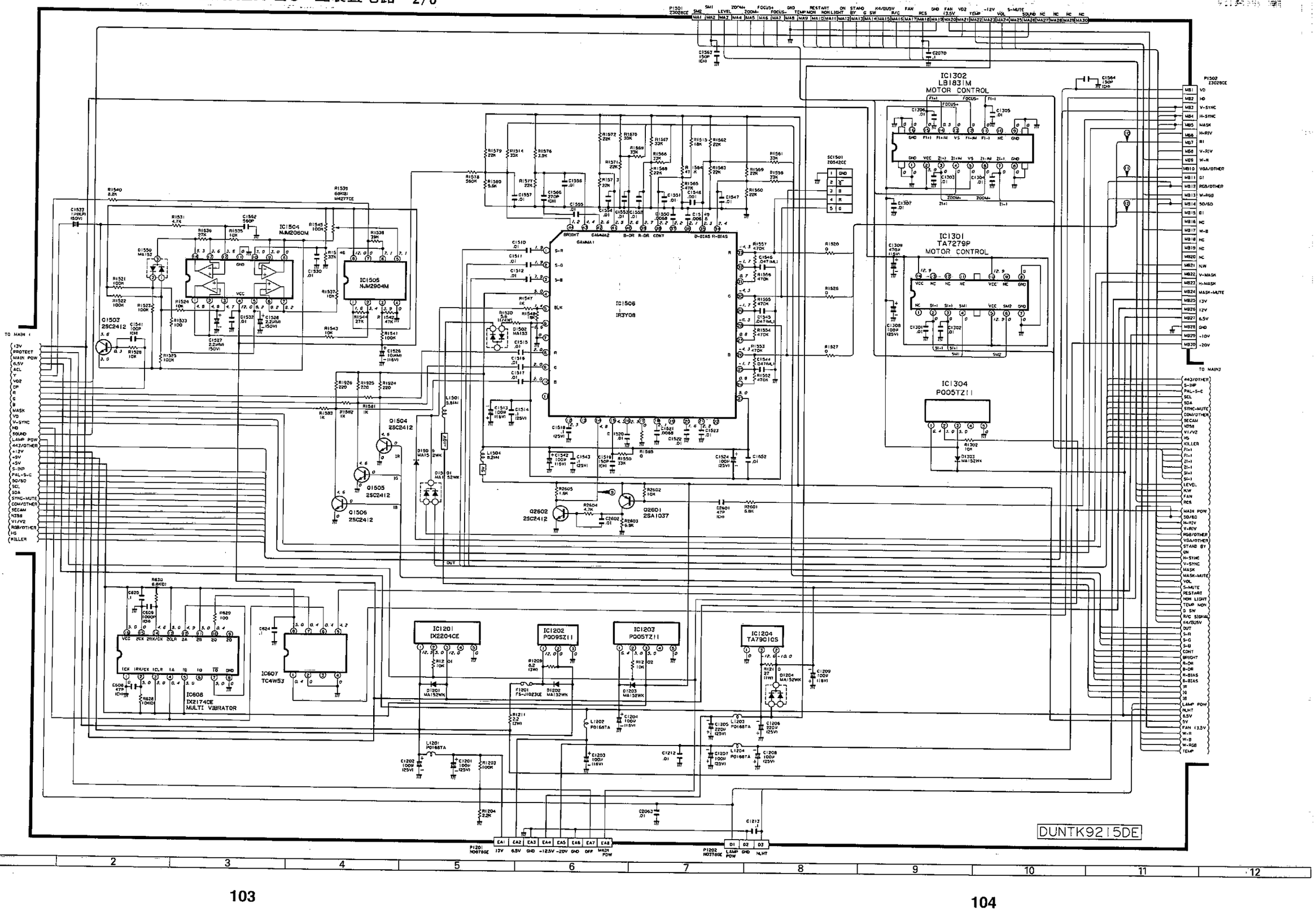
■ MAIN UNIT-1/3 / HAUPT-EINHEIT-1MAIN UNIT-1/3 主装置电路－1/3



XG-3910E XV-3410S	XG-3910E XV-3410S

MODELS XG-3910E/E A

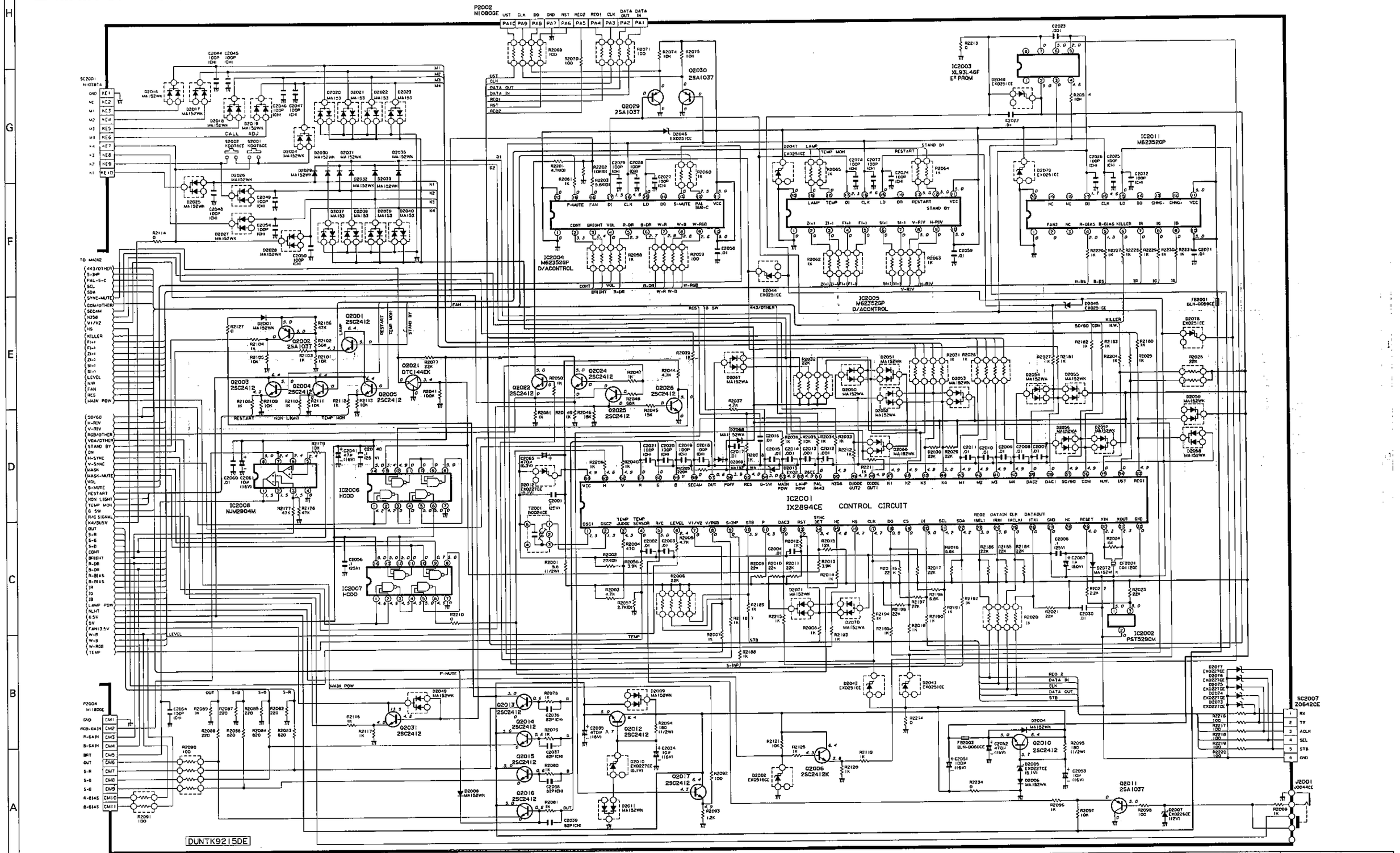
■ MAIN UNIT-2/3 / HAUPT-EINHEIT-2/3 主装置电路－2/3



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODELS XG-3910E/EA

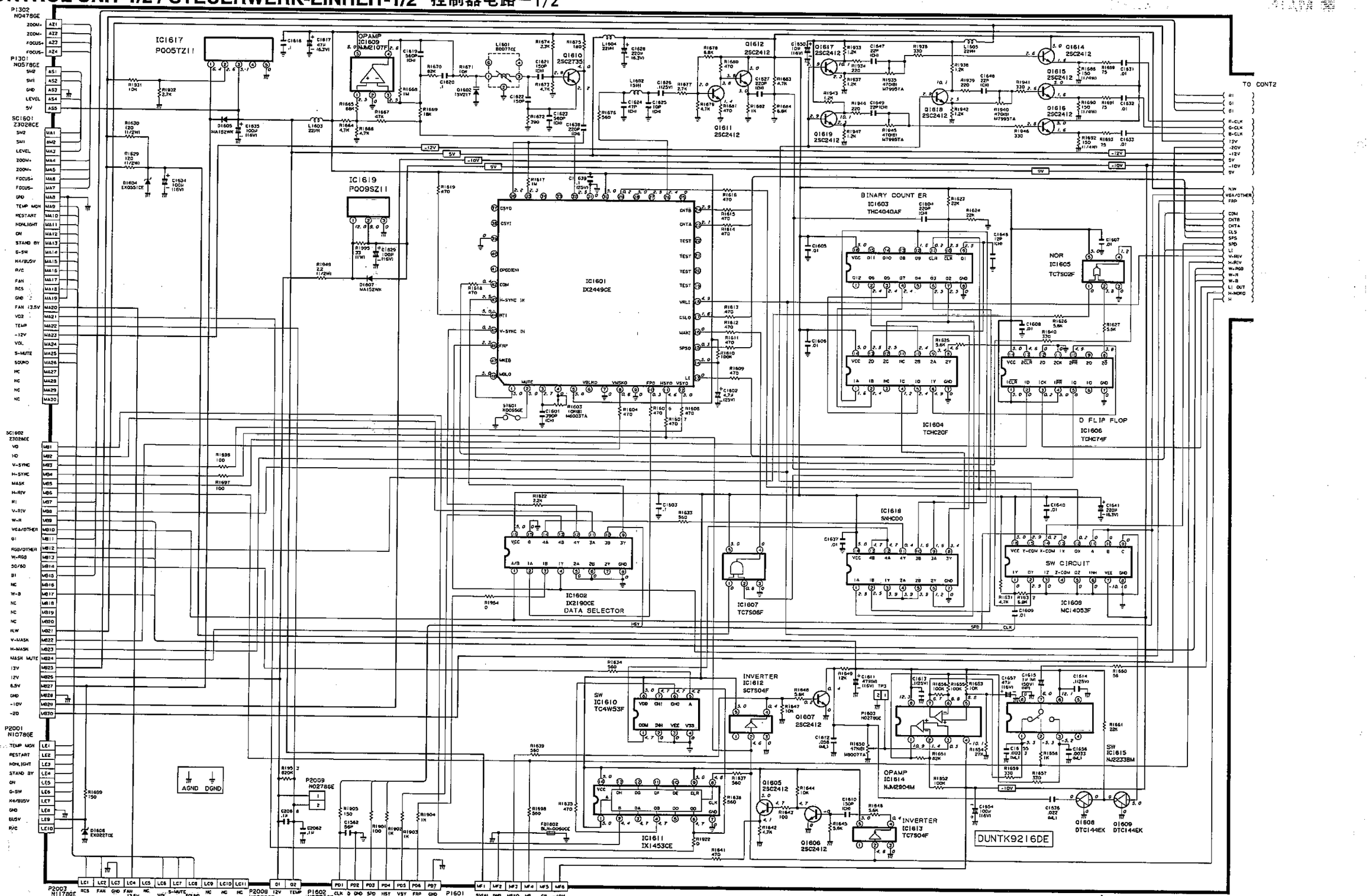
■ MAIN UNIT-3/3 / HAUPT-EINHEIT-3/3　主装置电路－3/3



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODELS XG-3910E/E[A]

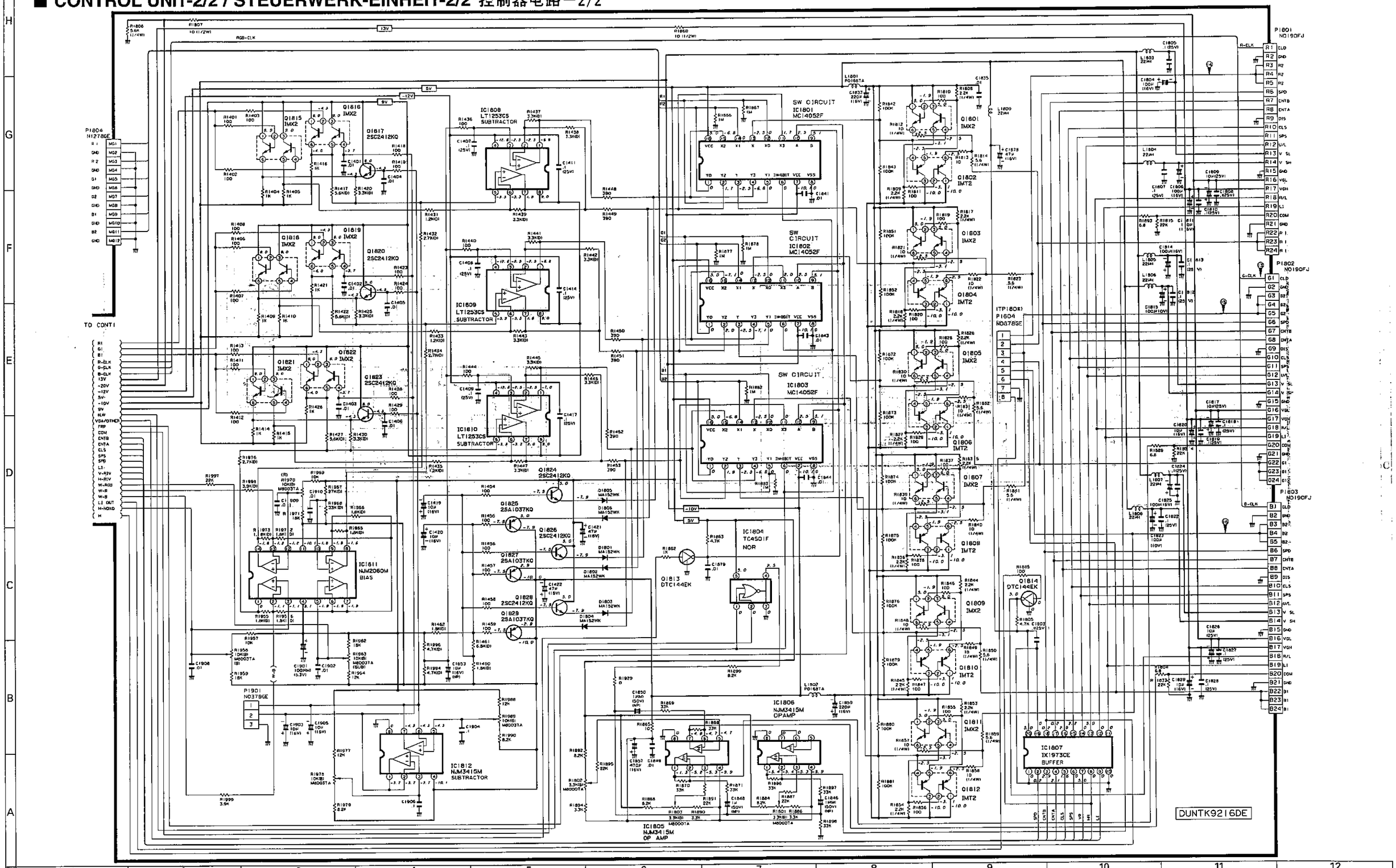
■ CONTROL UNIT-1/2 / STEUERWERK-EINHEIT-1/2 控制器电路－1/2



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODELS XG-3910E/E[A]

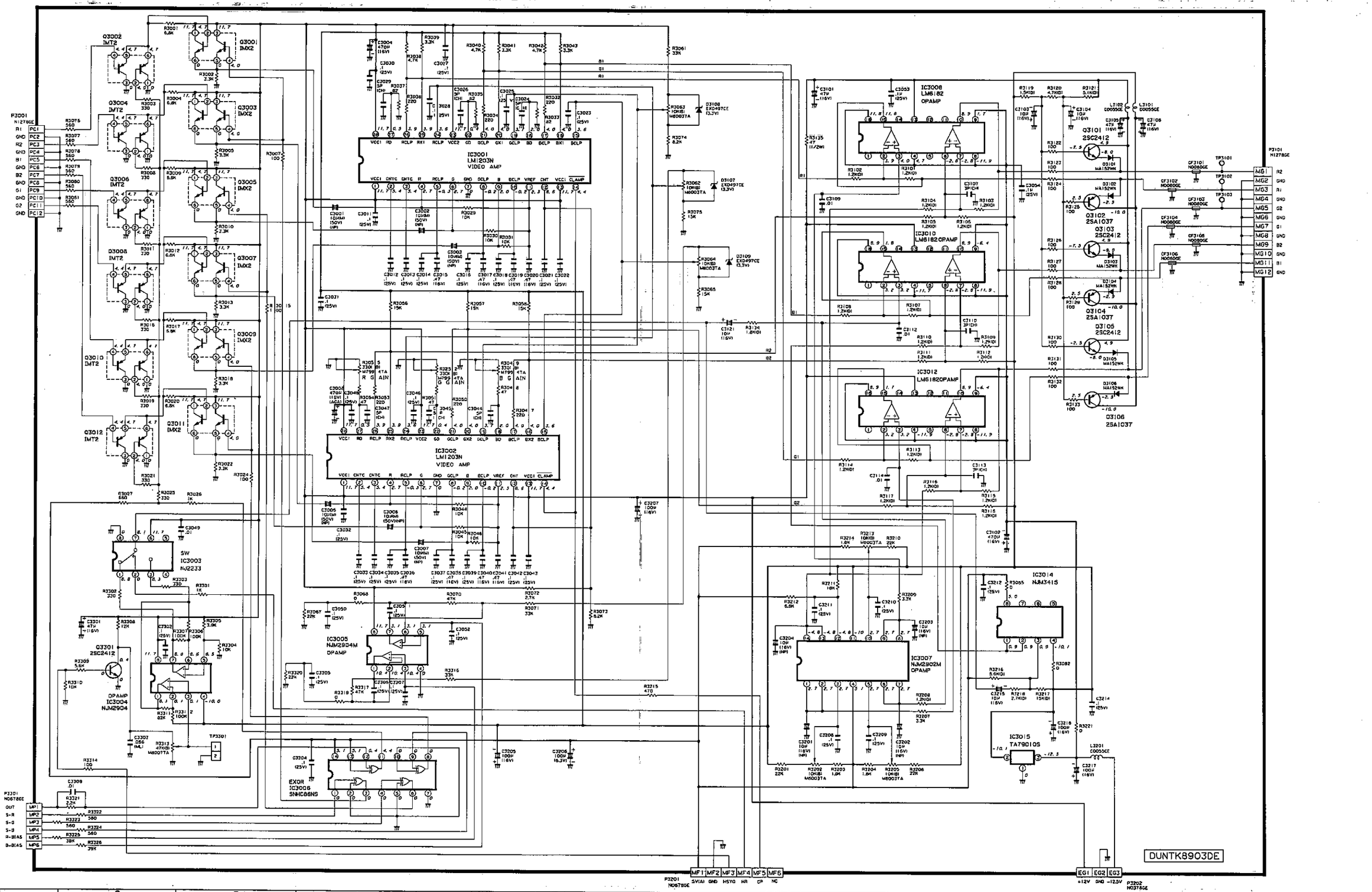
■ CONTROL UNIT-2/2 / STEUERWERK-EINHEIT-2/2 控制器电路－2/2



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODELS XG-3910E/E A

■ VGA AMP UNIT / VGA-VERSTÄRKER-EINHEIT VGA放大器电路

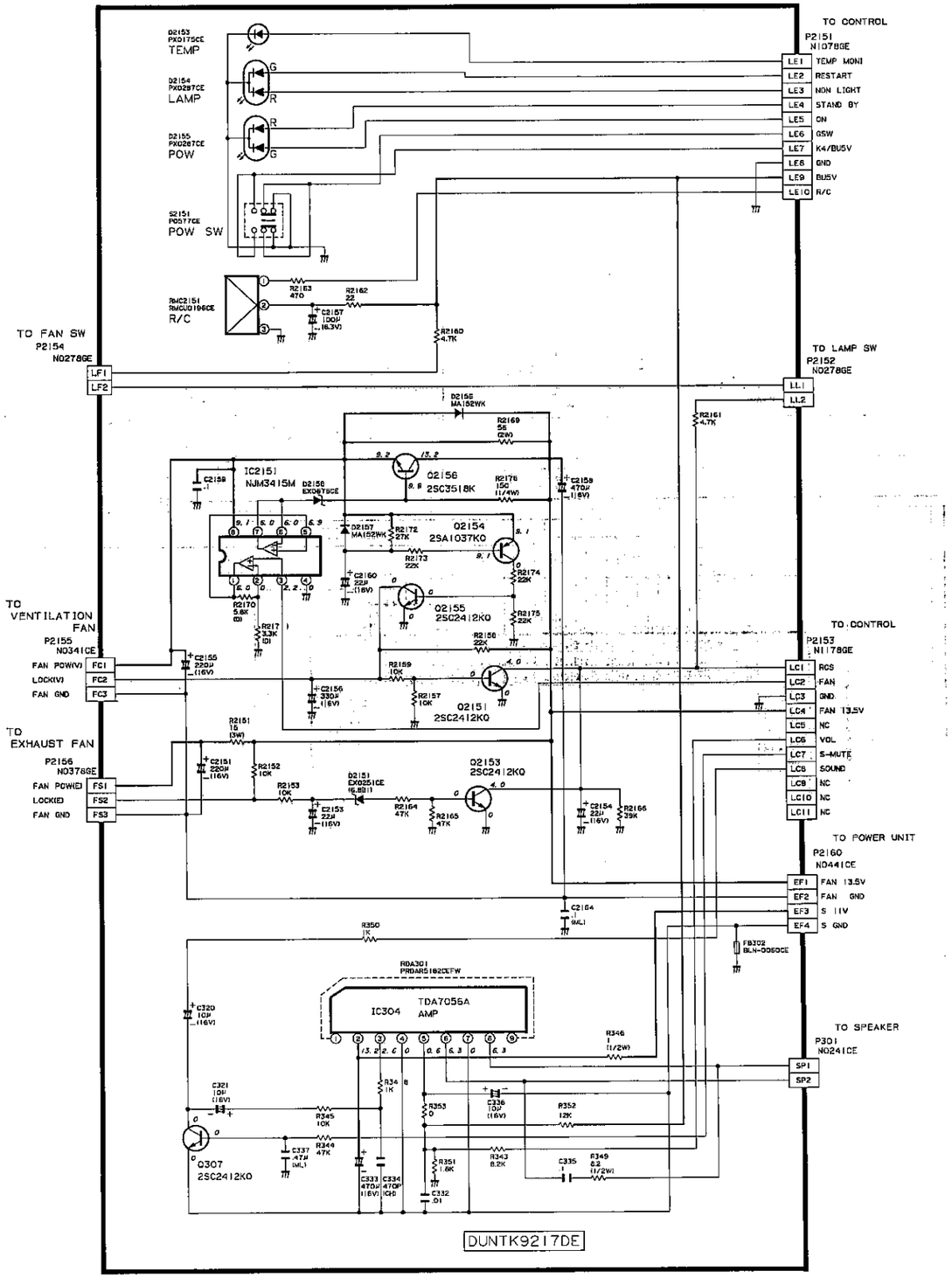


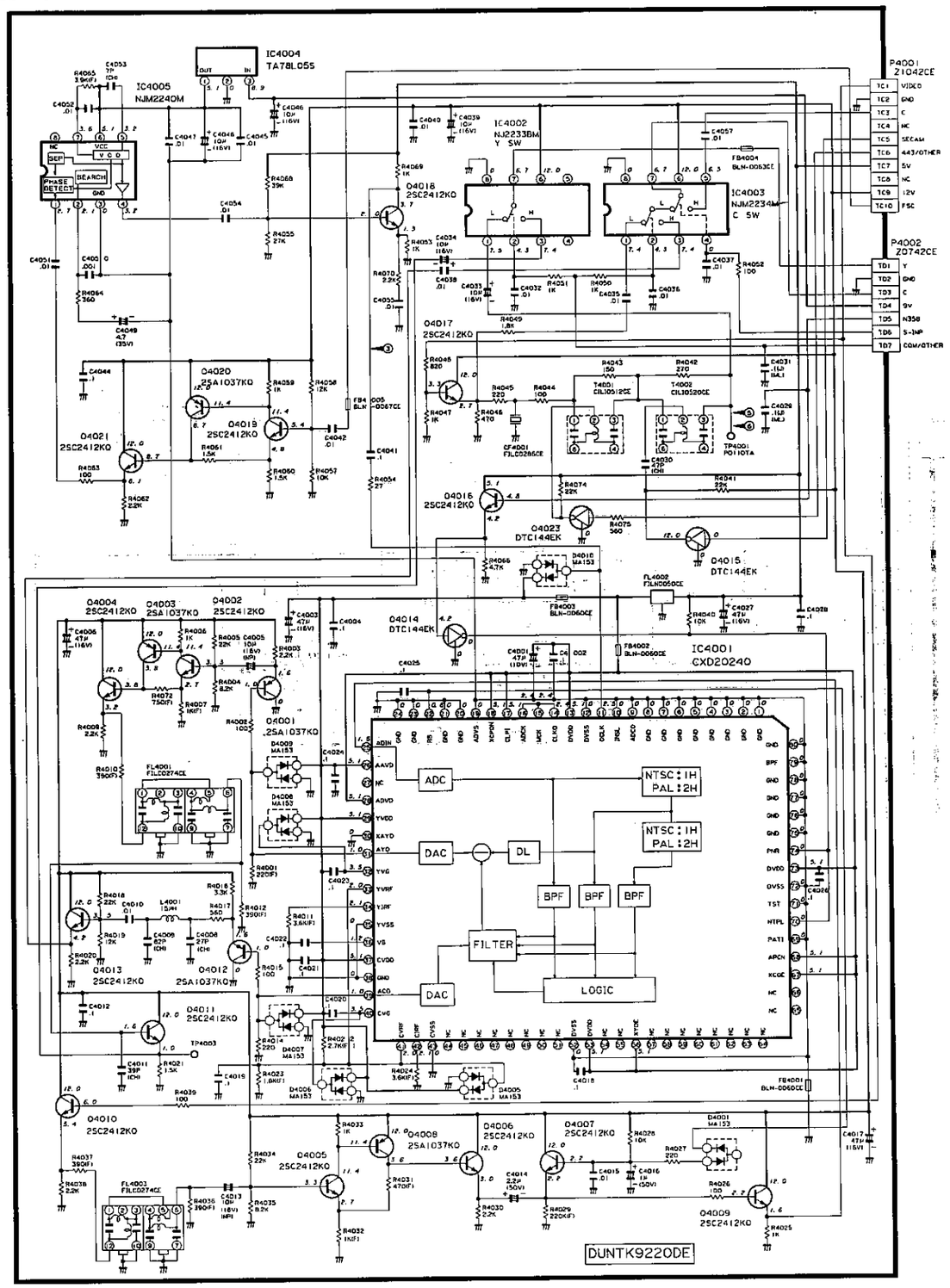
XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODELS XG-3910E/E A

■ AUDIO AMP/LED and Y/C SEPARTOR UNIT/AUDIO STUFE-VERSTÄRKER/LED-UND Y/C TRENNSTUFE-EINHEIT

音频信号放大器/LED装置与亮度/色度信号分离装置电路

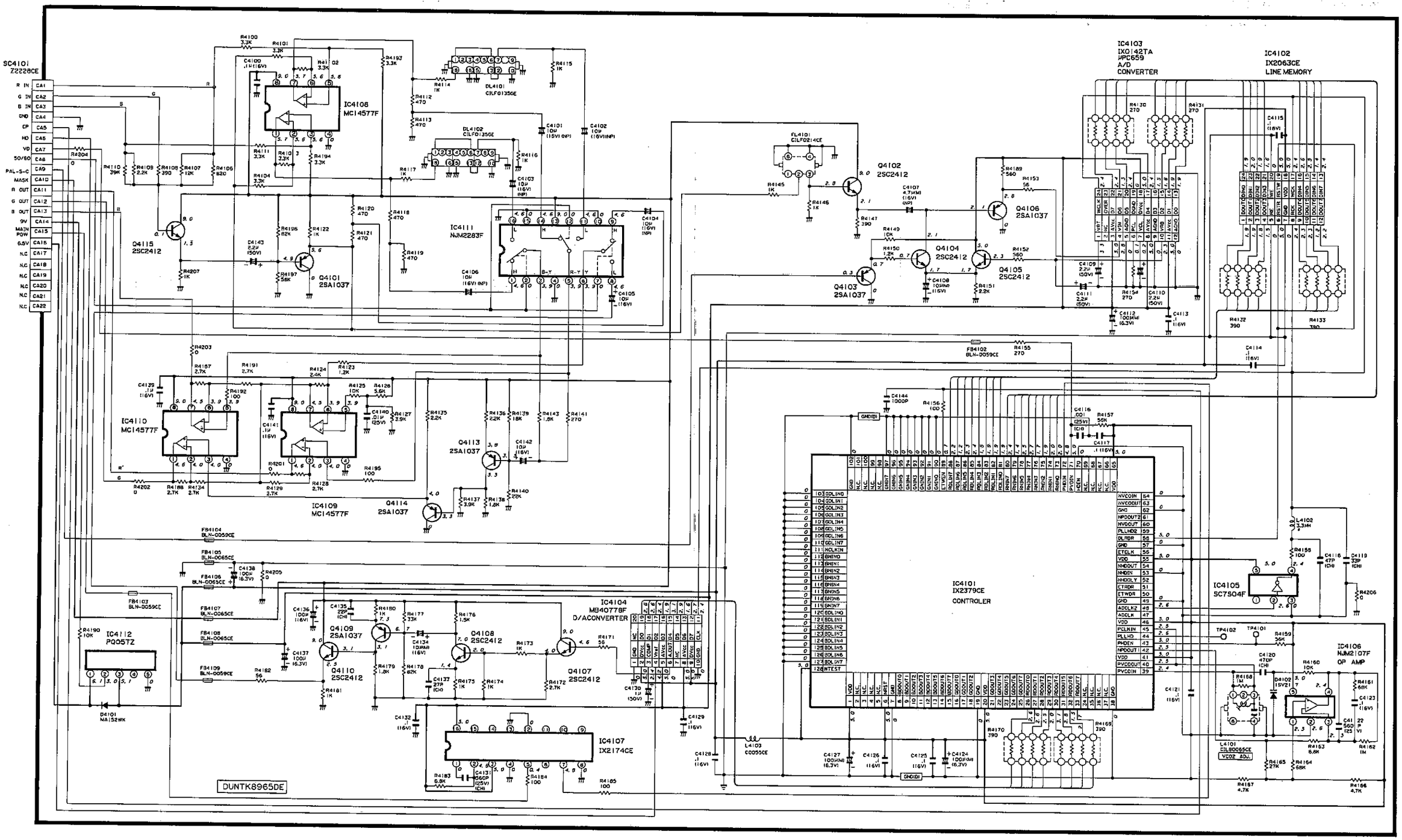




XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODELS XG-3910E/E[A]

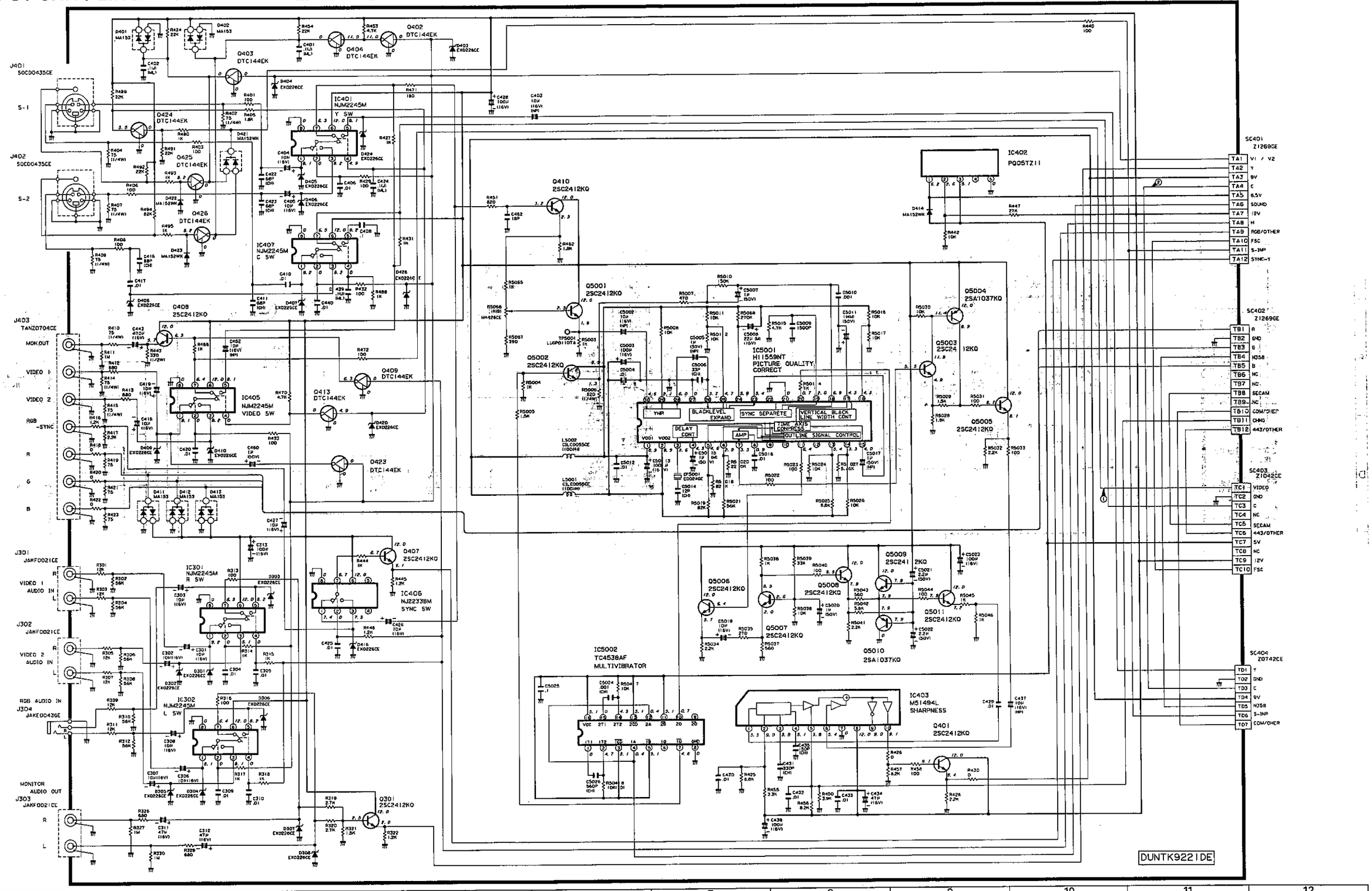
■ SCAN CONVERTER UNIT / ABTAST-KONVERTER-EINHEIT 扫描行数变换器电路



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODELS XG-3910E/EA

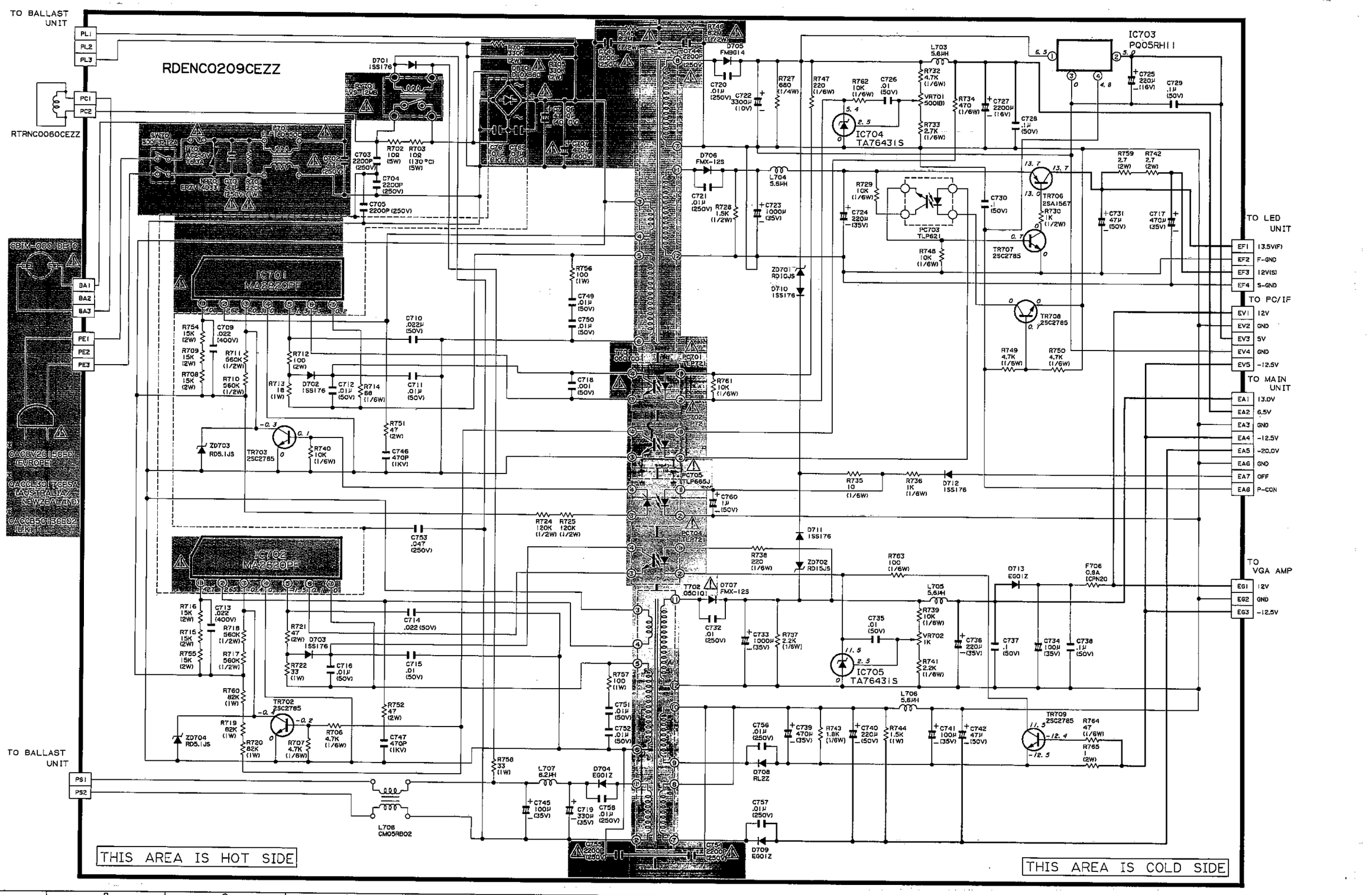
■ INPUT UNIT / EINGANGS-EINHEIT 输入装置电路



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODELS XG-3910E/E[A]

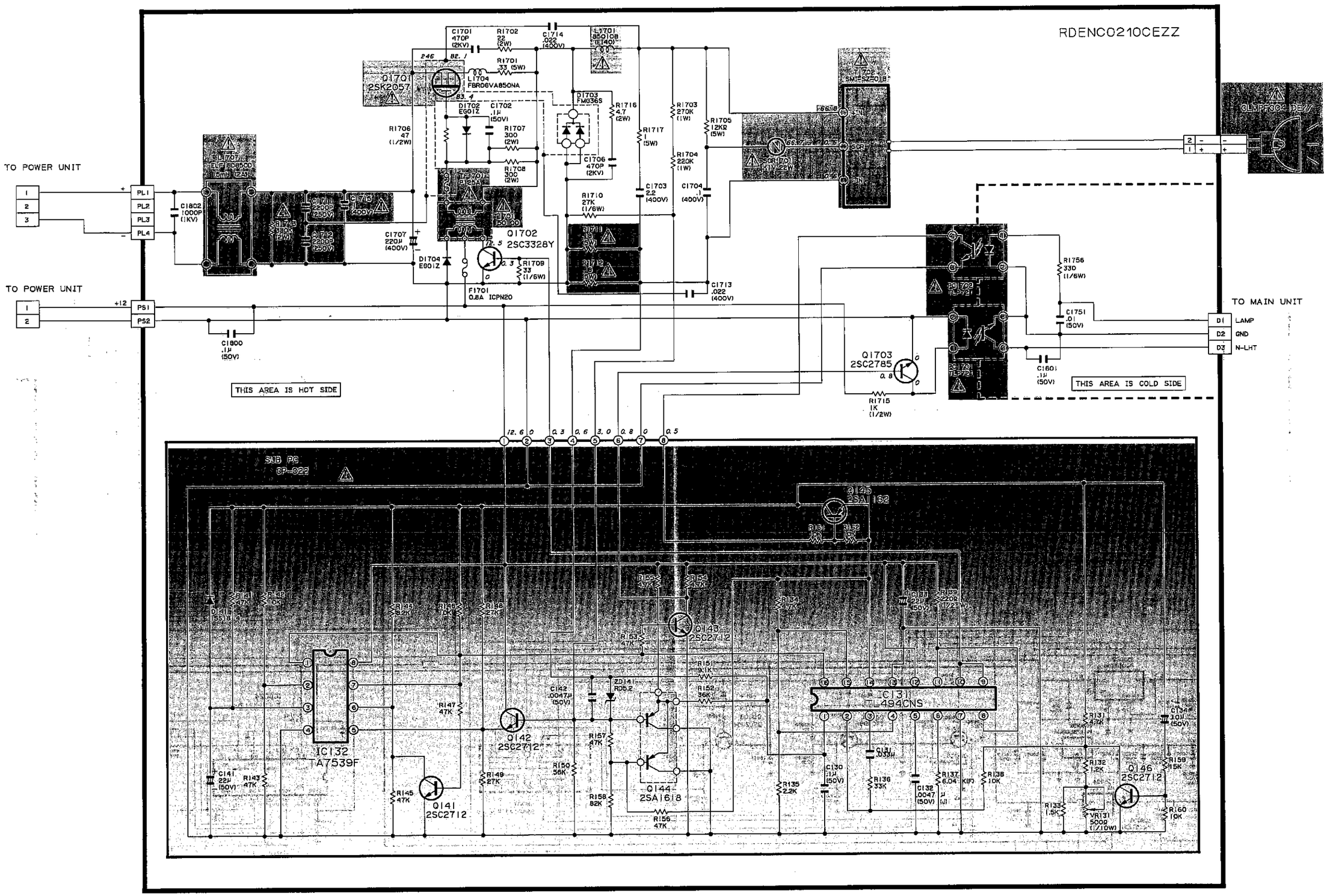
■ POWER UNIT / NETZ-EINHEIT 电源装置电路



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODELS XG-3910E/EA

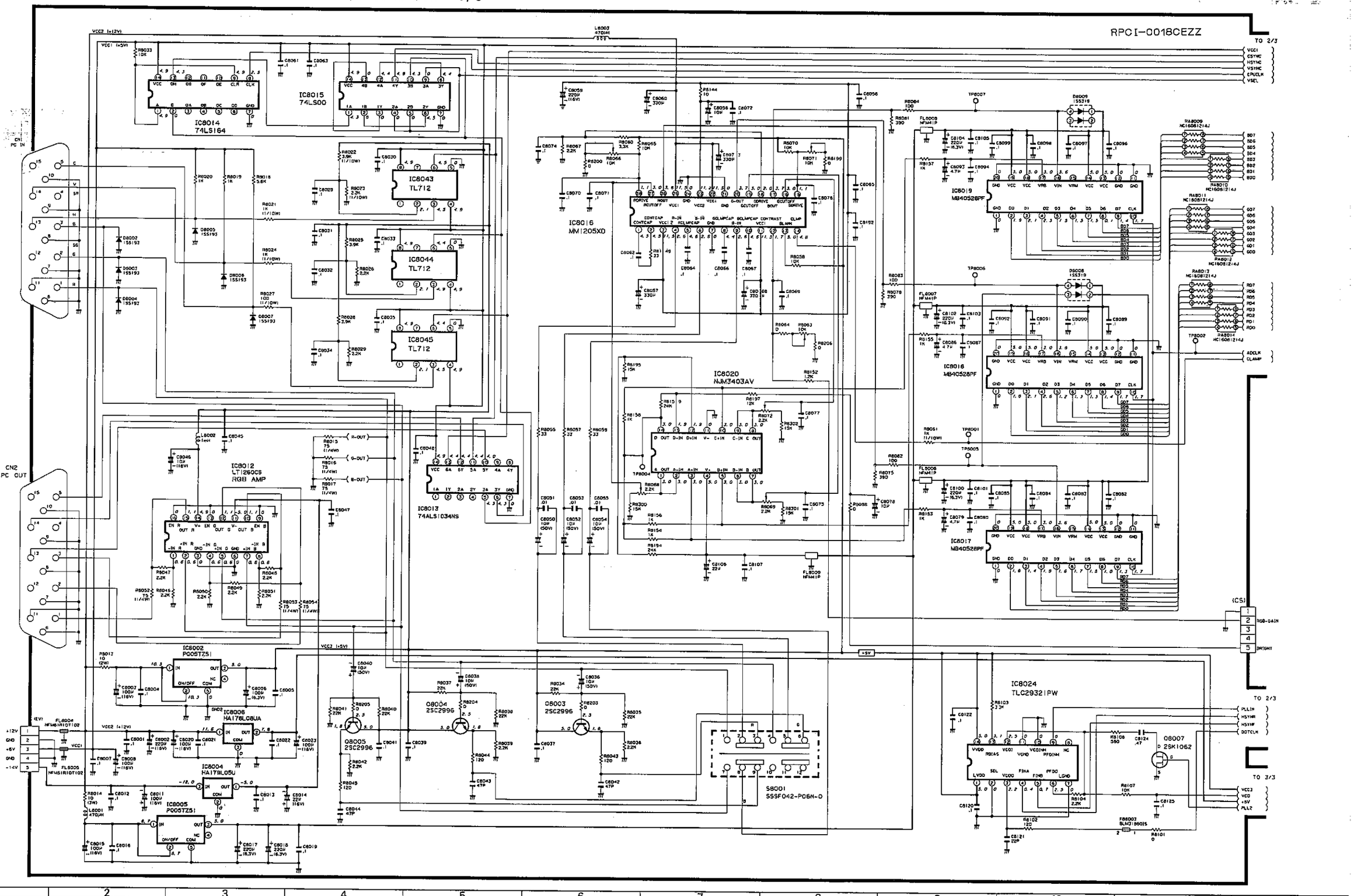
■ BALLAST UNIT / VORSCHALT-EINHEIT 镇流器电路



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODELS XG-3910E/EA

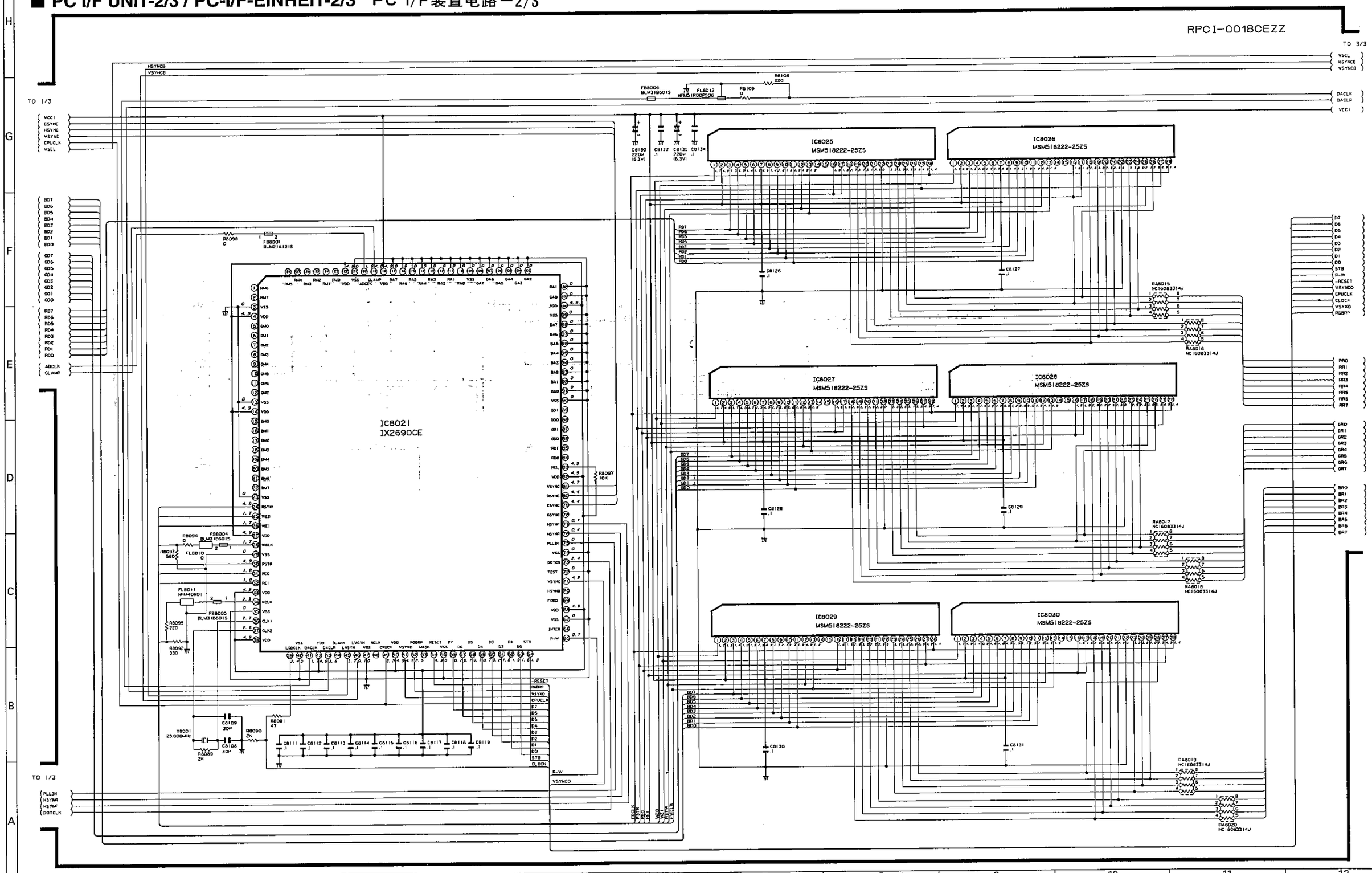
■ PC I/F UNIT-1/3 / PC-I/F-EINHEIT-1/3 PC I/F装置电路－1/3



XG-3910E XV-3410S	XG-3910E XV-3410S

MODELS XG-3910E/EA

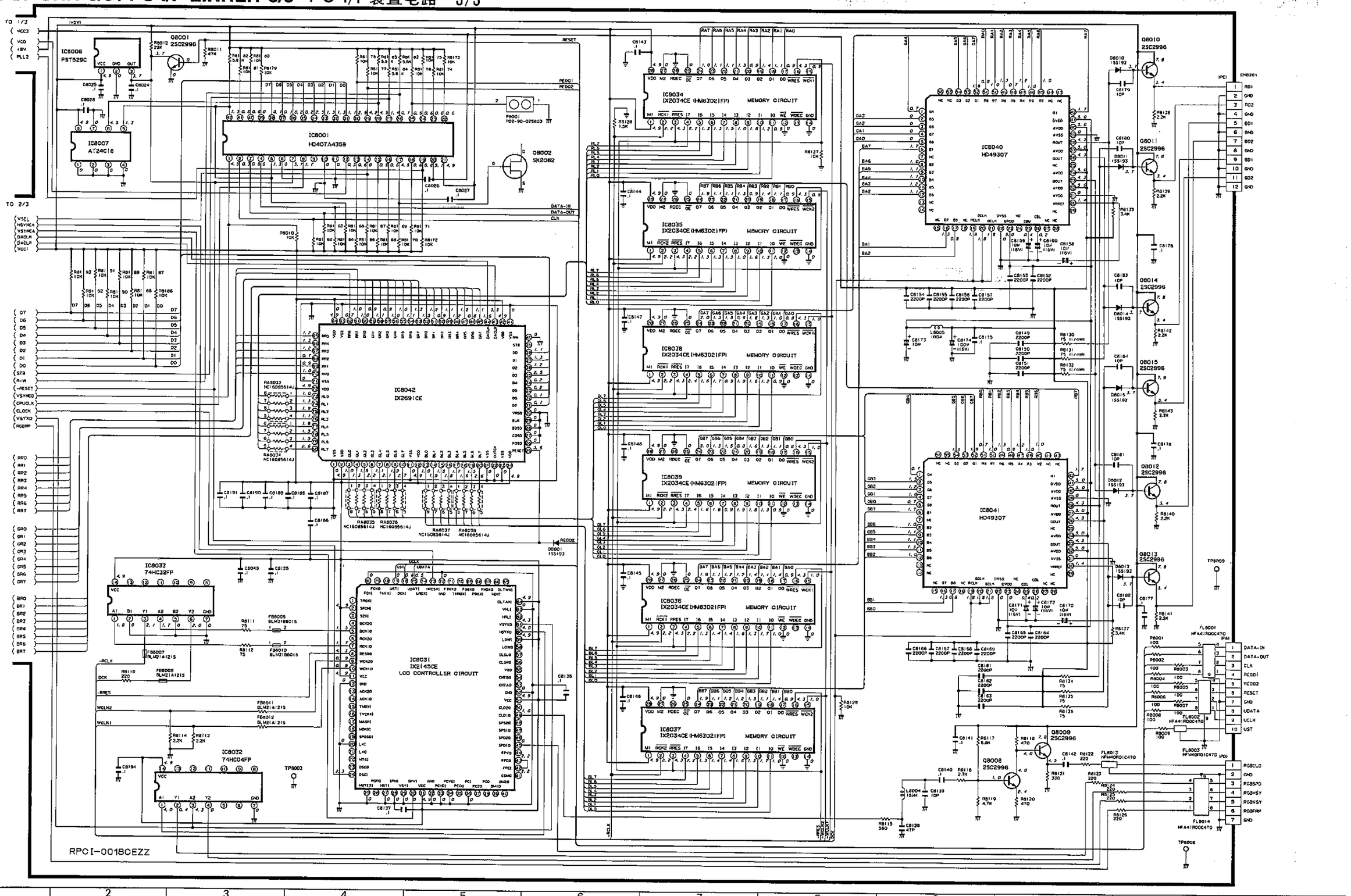
■ PC I/F UNIT-2/3 / PC-I/F-EINHEIT-2/3　PC I/F装置电路－2/3



XG-3910E XV-3410S	XG-3910E XV-3410S

MODELS XG-3910E/E A

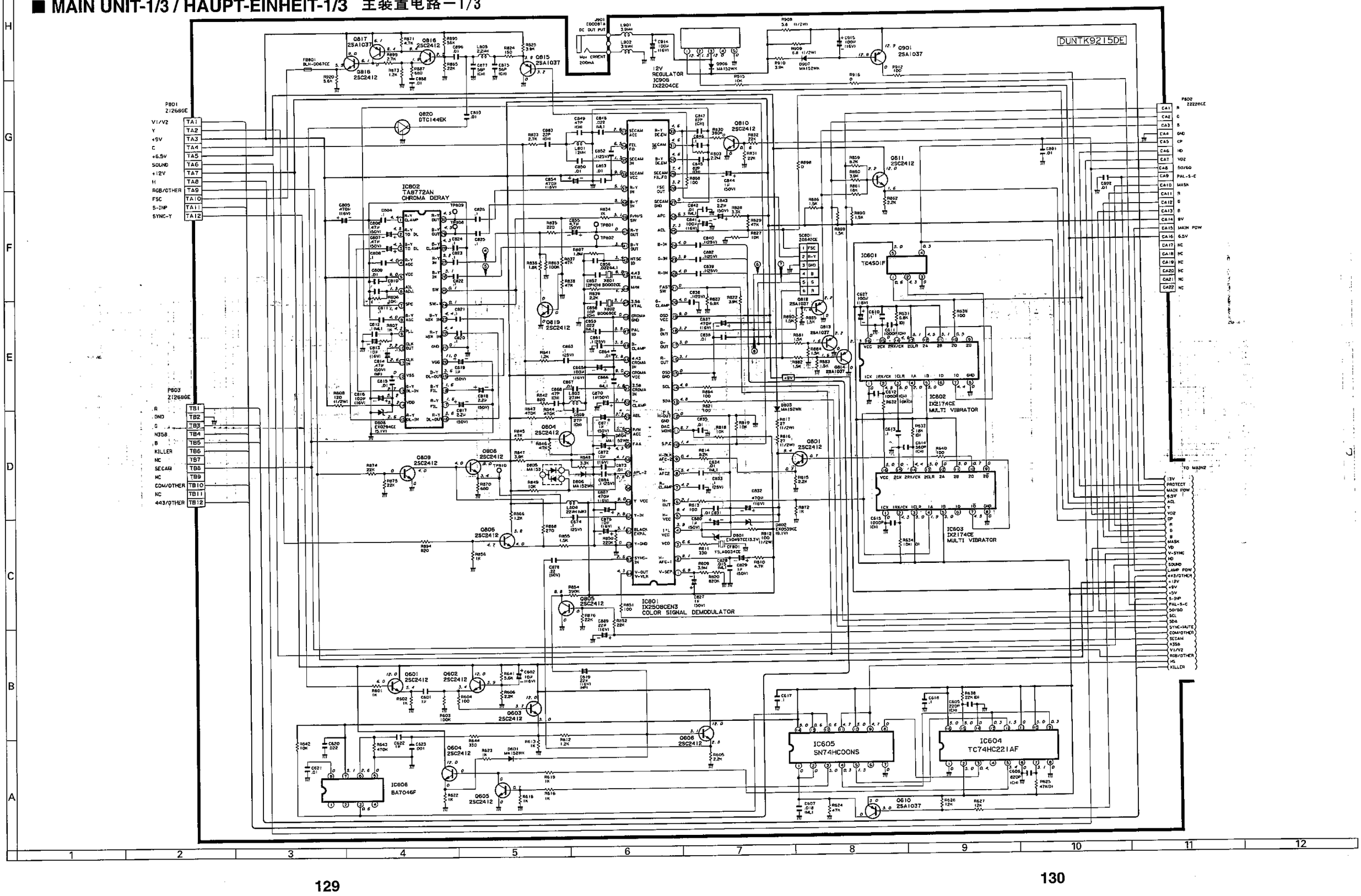
■ PC I/F UNIT-3/3 / PC-I/F-EINHEIT-3/3 PC I/F装置电路－3/3



XG-3910E XV-3410S	XG-3910E XV-3410S

MODEL XV-3410S

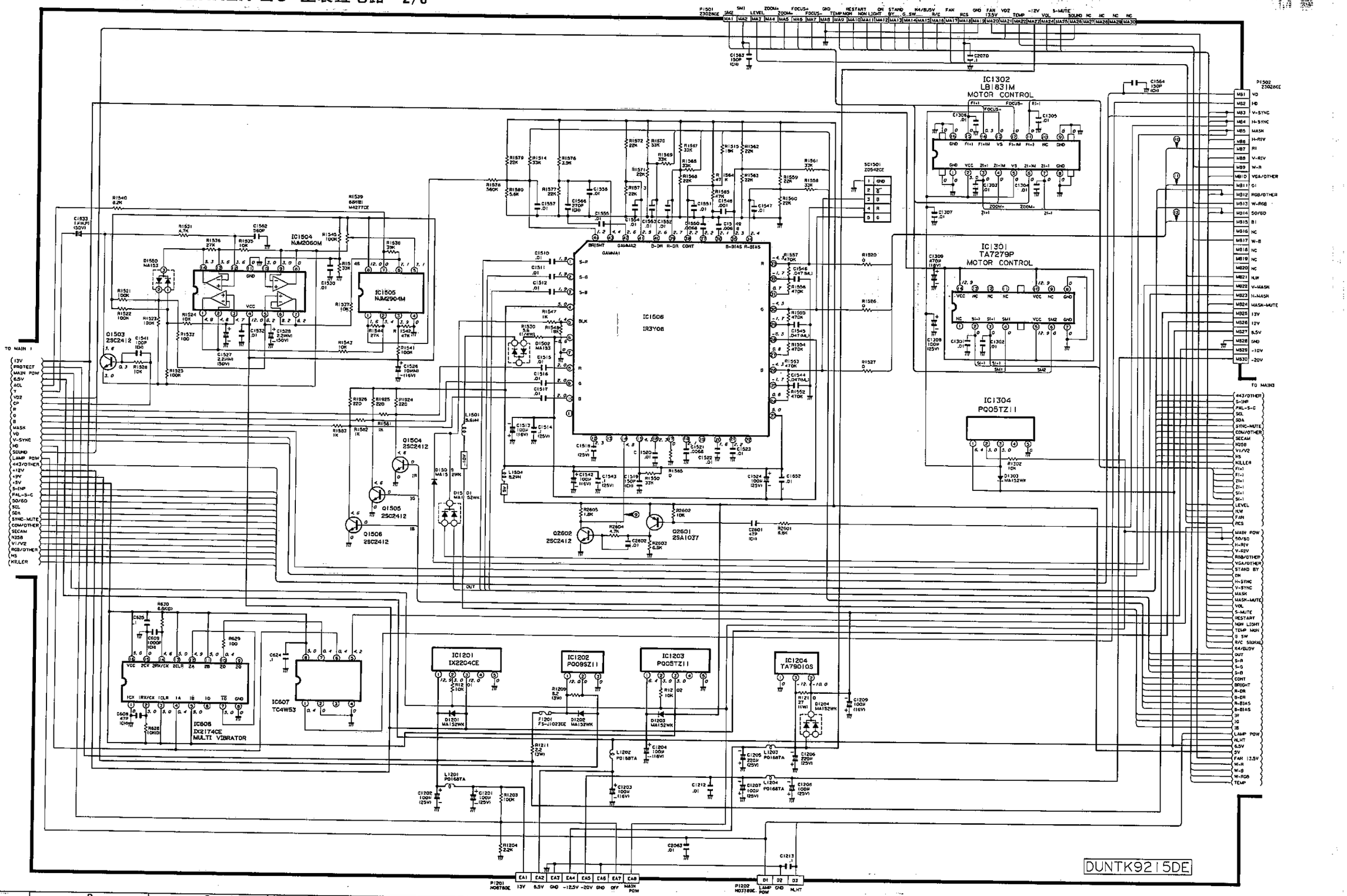
■ MAIN UNIT-1/3 / HAUPT-EINHEIT-1/3　主装置电路－1/3



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODEL XV-3410S

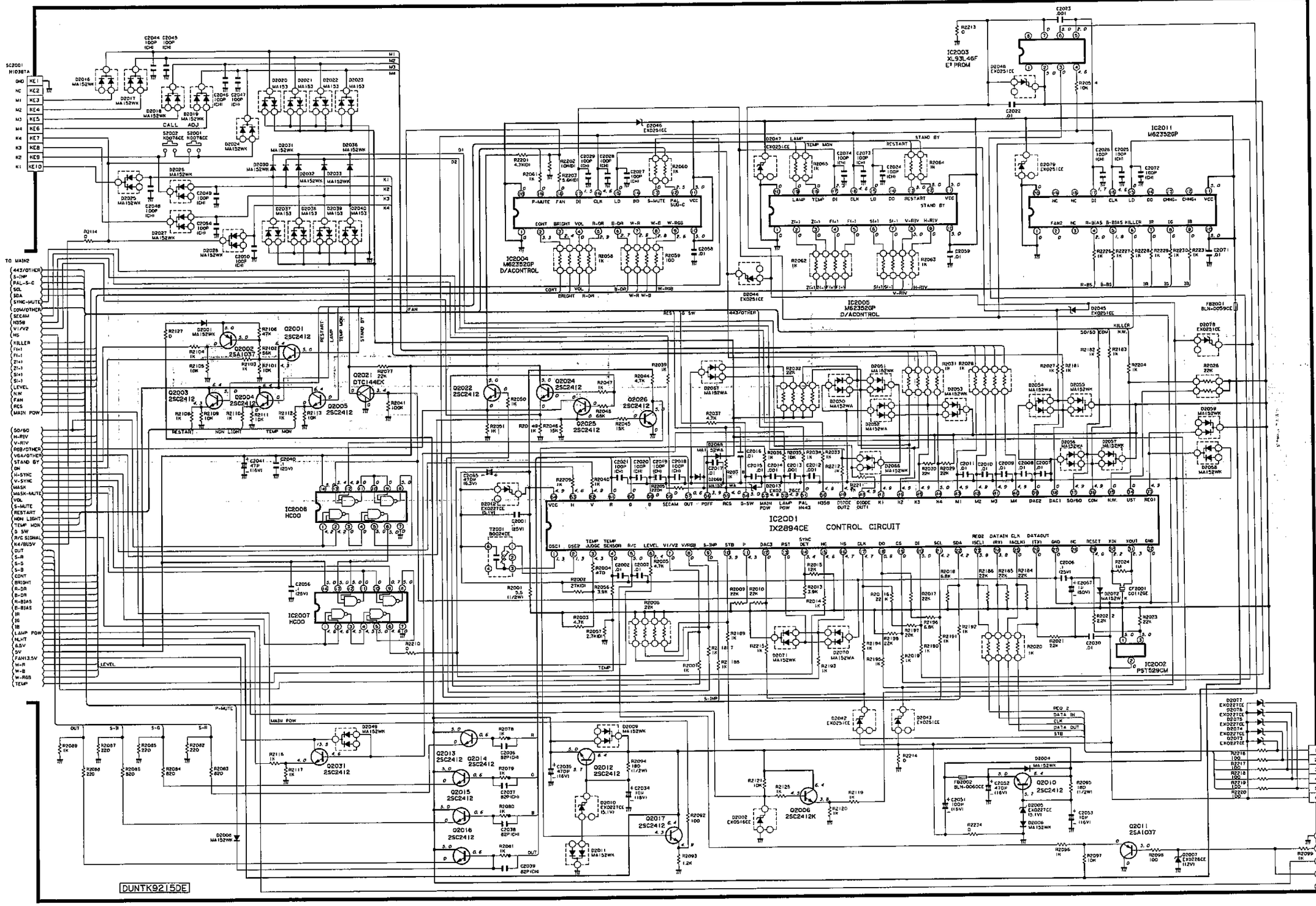
■ MAIN UNIT-2/3 / HAUPT-EINHEIT-2/3 主装置电路－2/3



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODEL XV-3410S

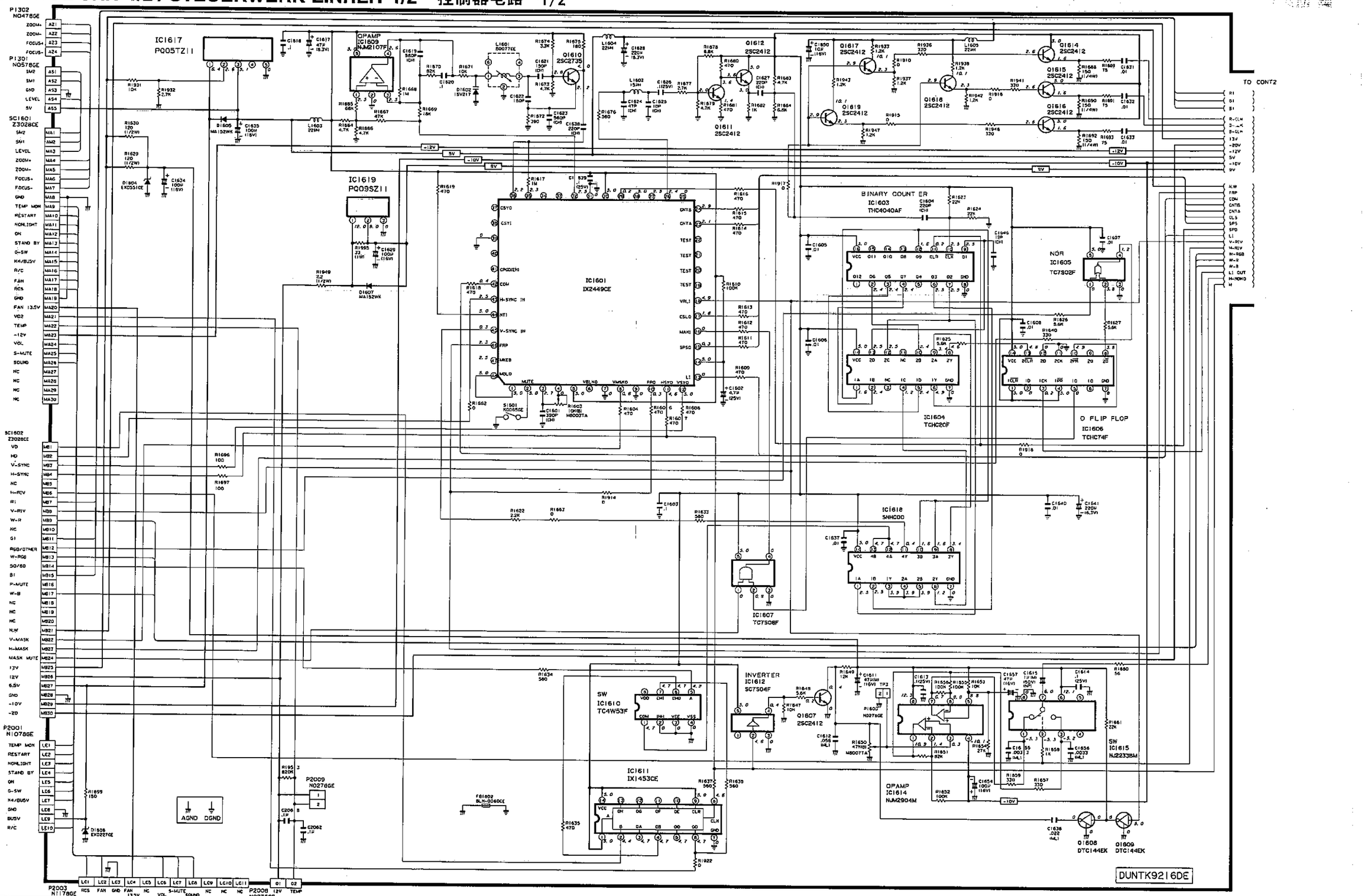
■ MAIN UNIT-3/3 / HAUPT-EINHEIT-3/3 主装置电路－3/3



XG-3910E XV-3410S	XG-3910E XV-3410S

MODEL XV-3410S

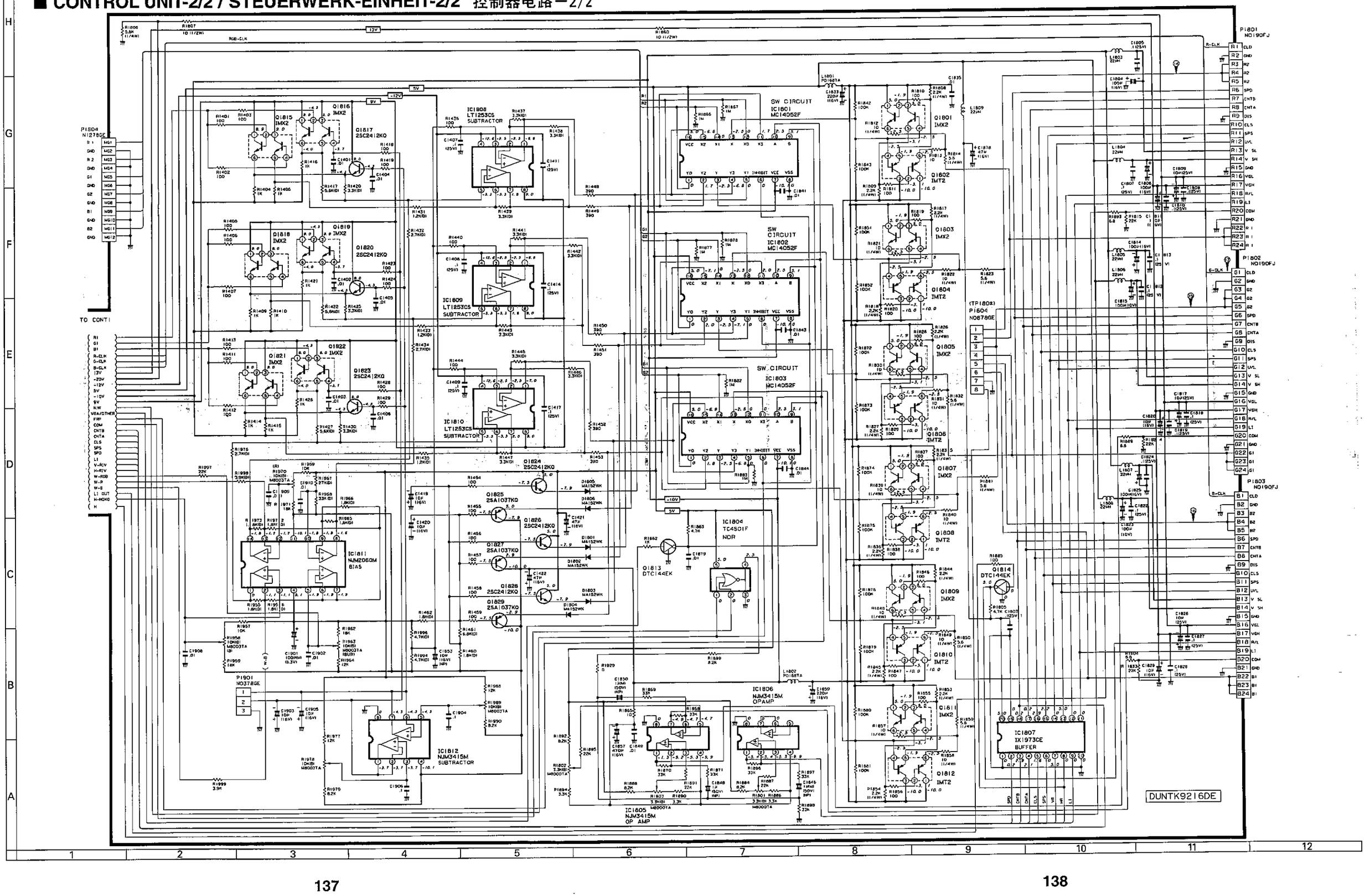
■ CONTROL UNIT-1/2 / STEUERWERK-EINHEIT-1/2　控制器电路－1/2



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODEL XV-3410S

■ CONTROL UNIT-2/2 / STEUERWERK-EINHEIT-2/2 控制器电路－2/2

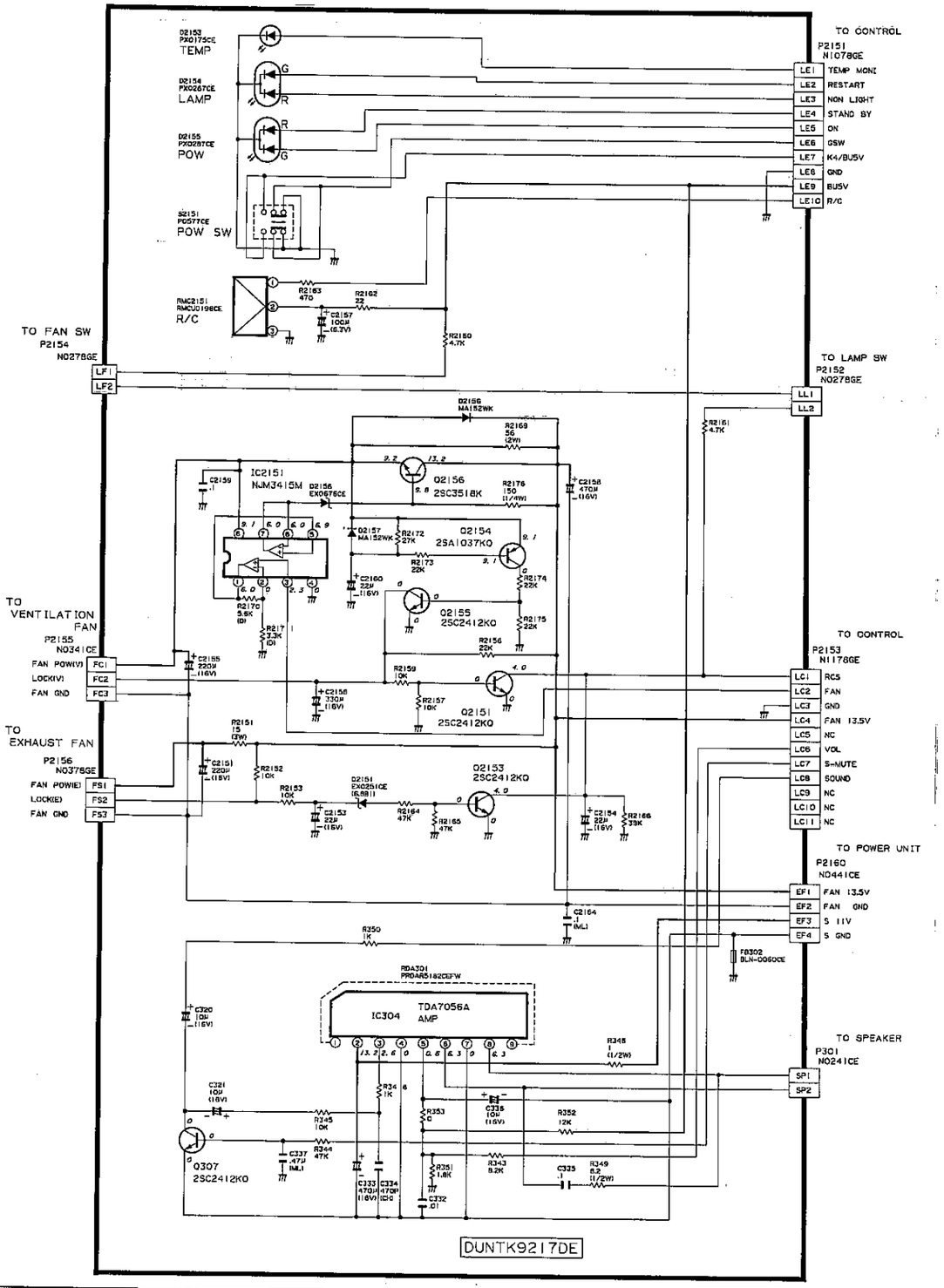


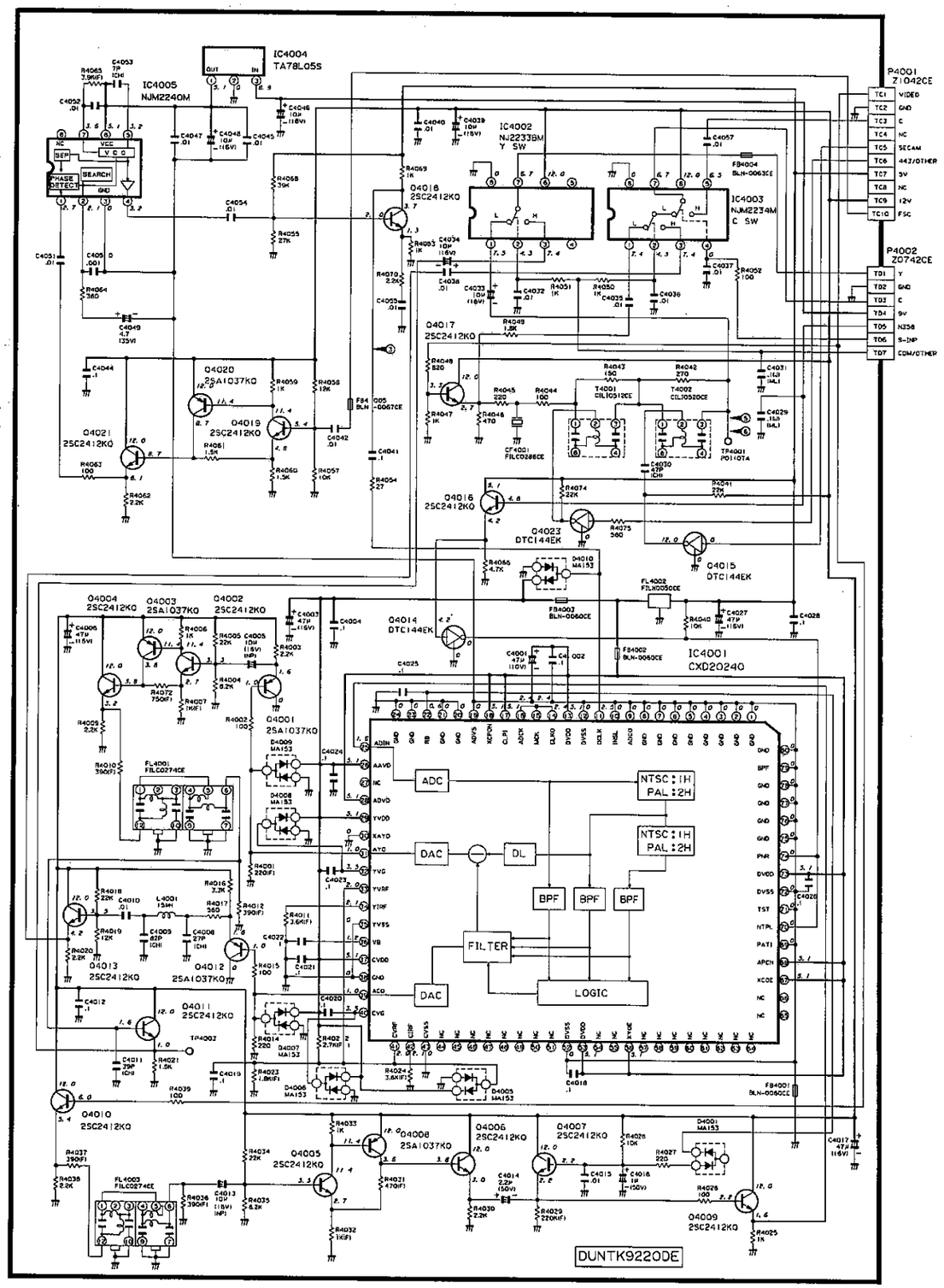
XG-3910E XV-3410S	XG-3910E XV-3410S

MODEL XV-3410S

■ AUDIO AMP/LED and Y/C SEPARTOR UNIT/AUDIO STUFE-VERSTÄRKER/LED-UND Y/C TRENNSTUFE-EINHEIT

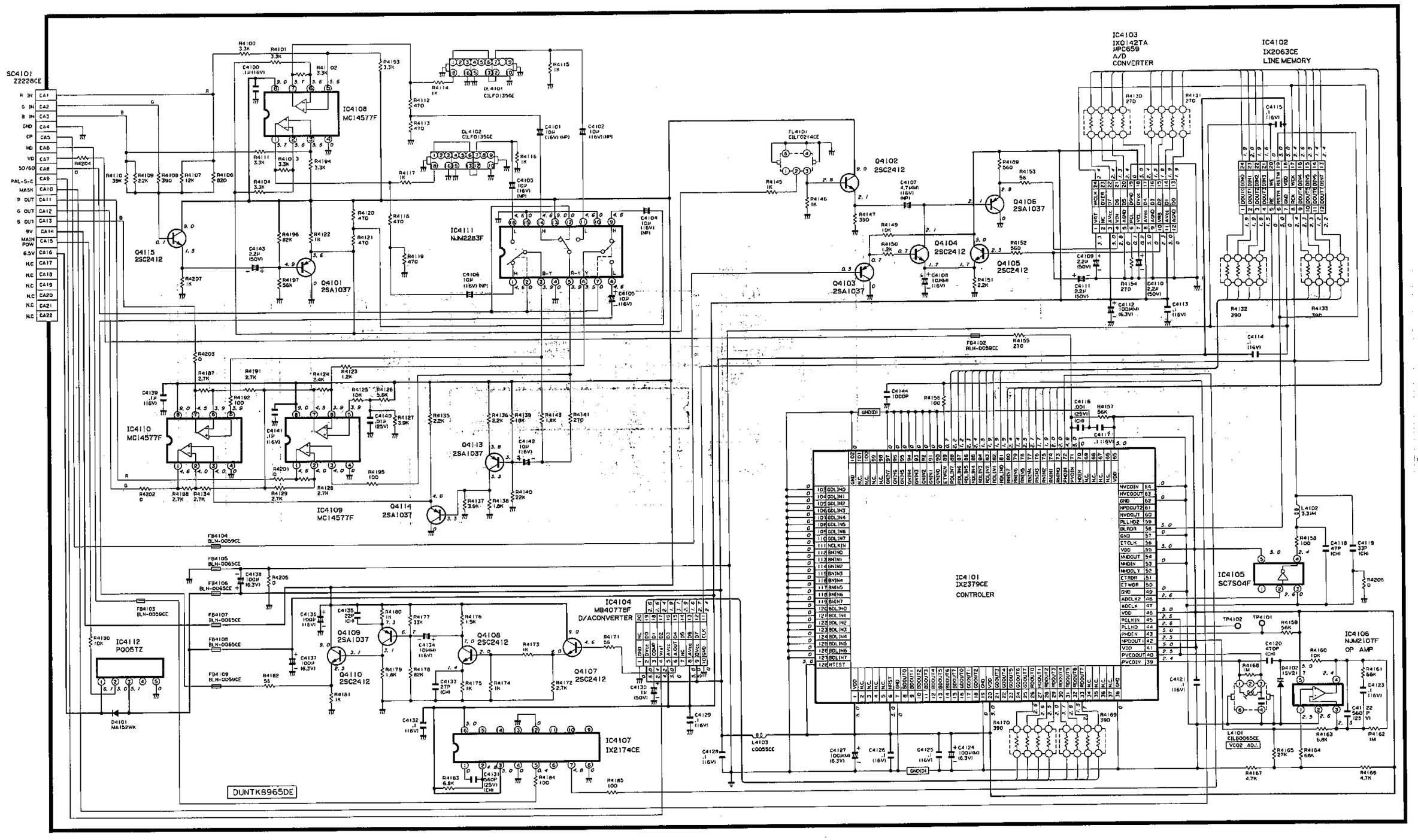
音频信号放大器/LED装置与亮度/色度信号分离装置电路





MODEL XV-3410S

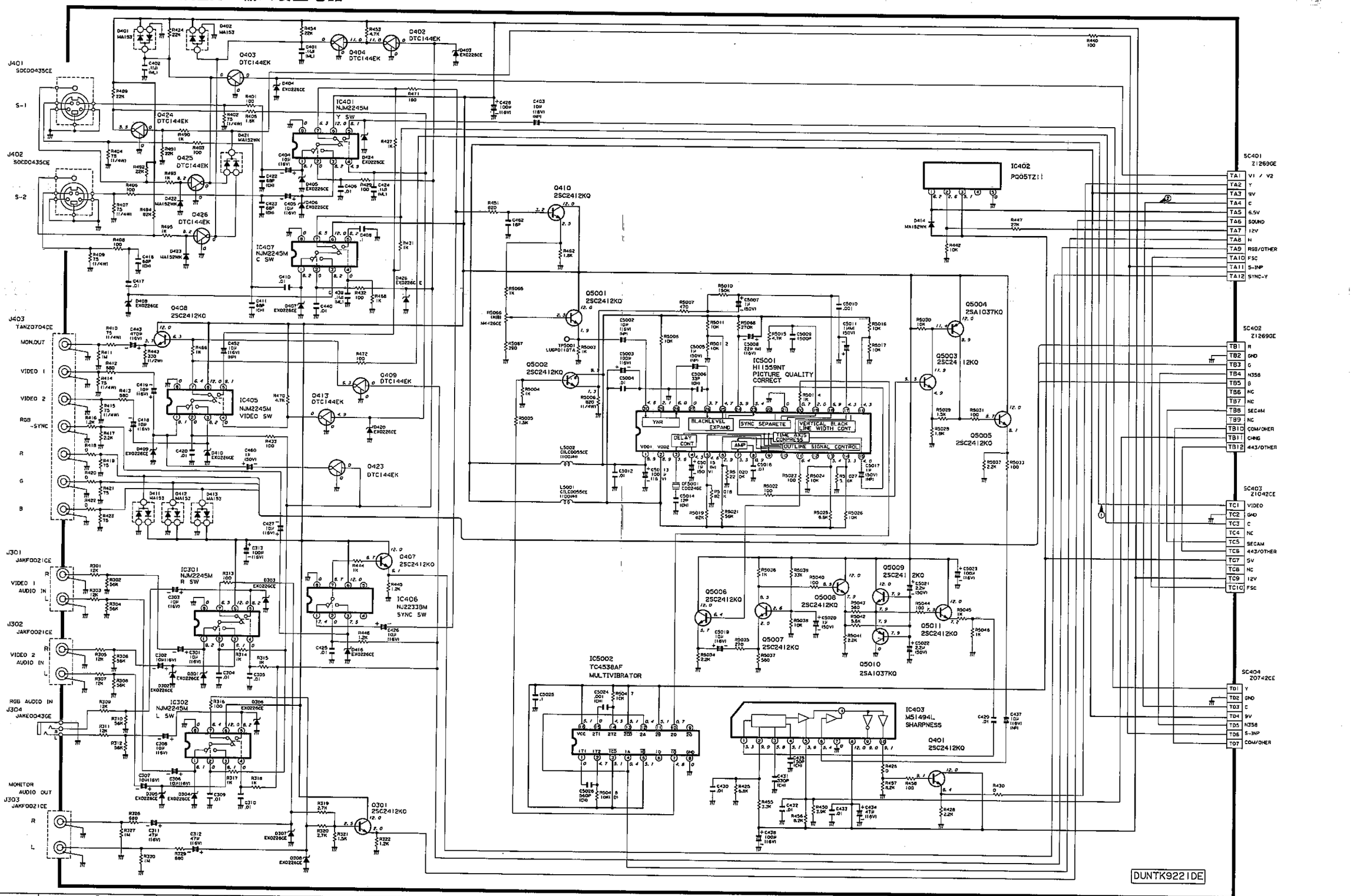
■ SCAN CONVERTER UNIT / ABTAST-KONVERTER-EINHEIT 扫描行数变换器电路



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODEL XV-3410S

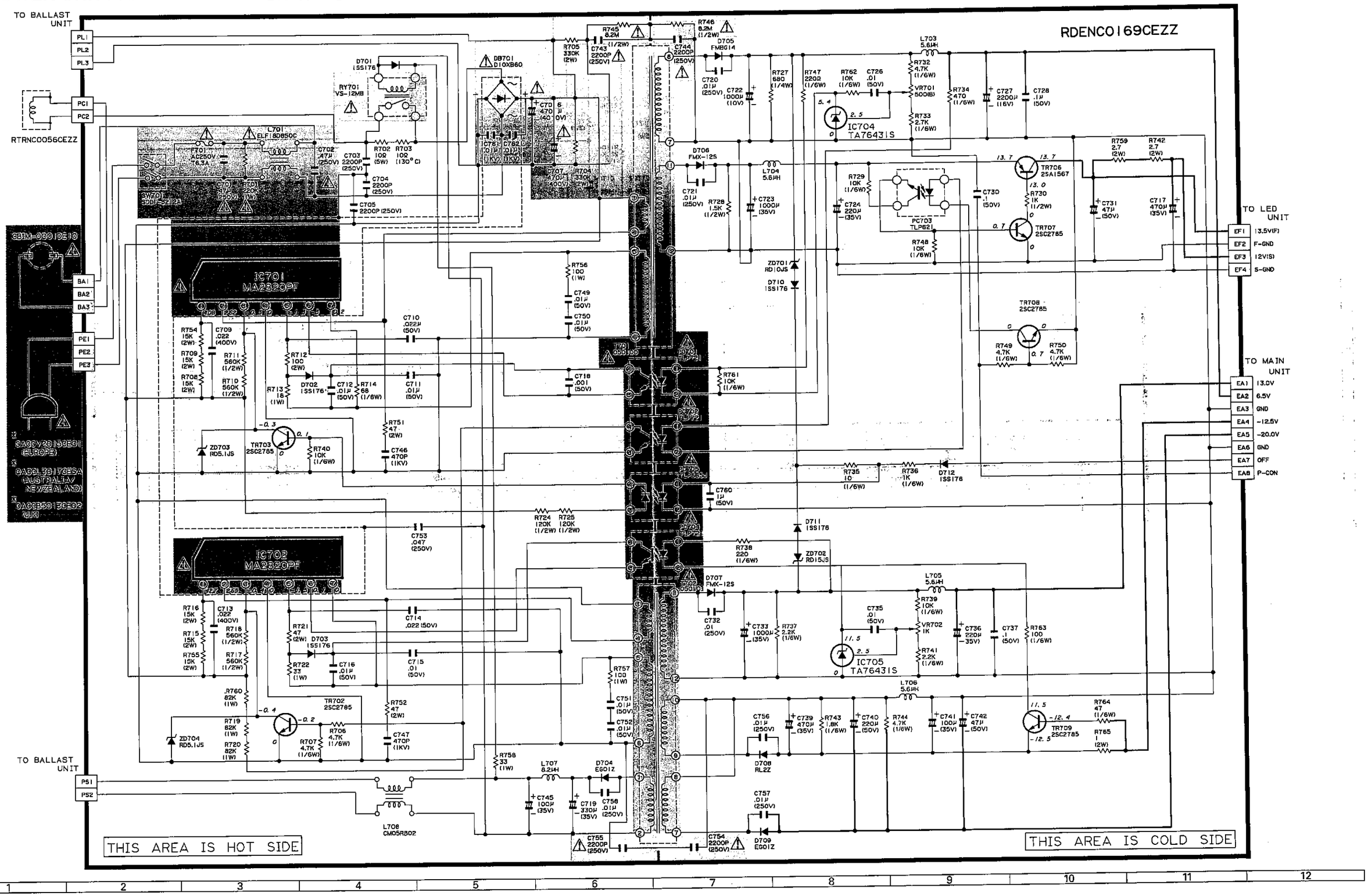
■ INPUT / EINGANGS-EINHEIT 输入装置电路



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODEL XV-3410S

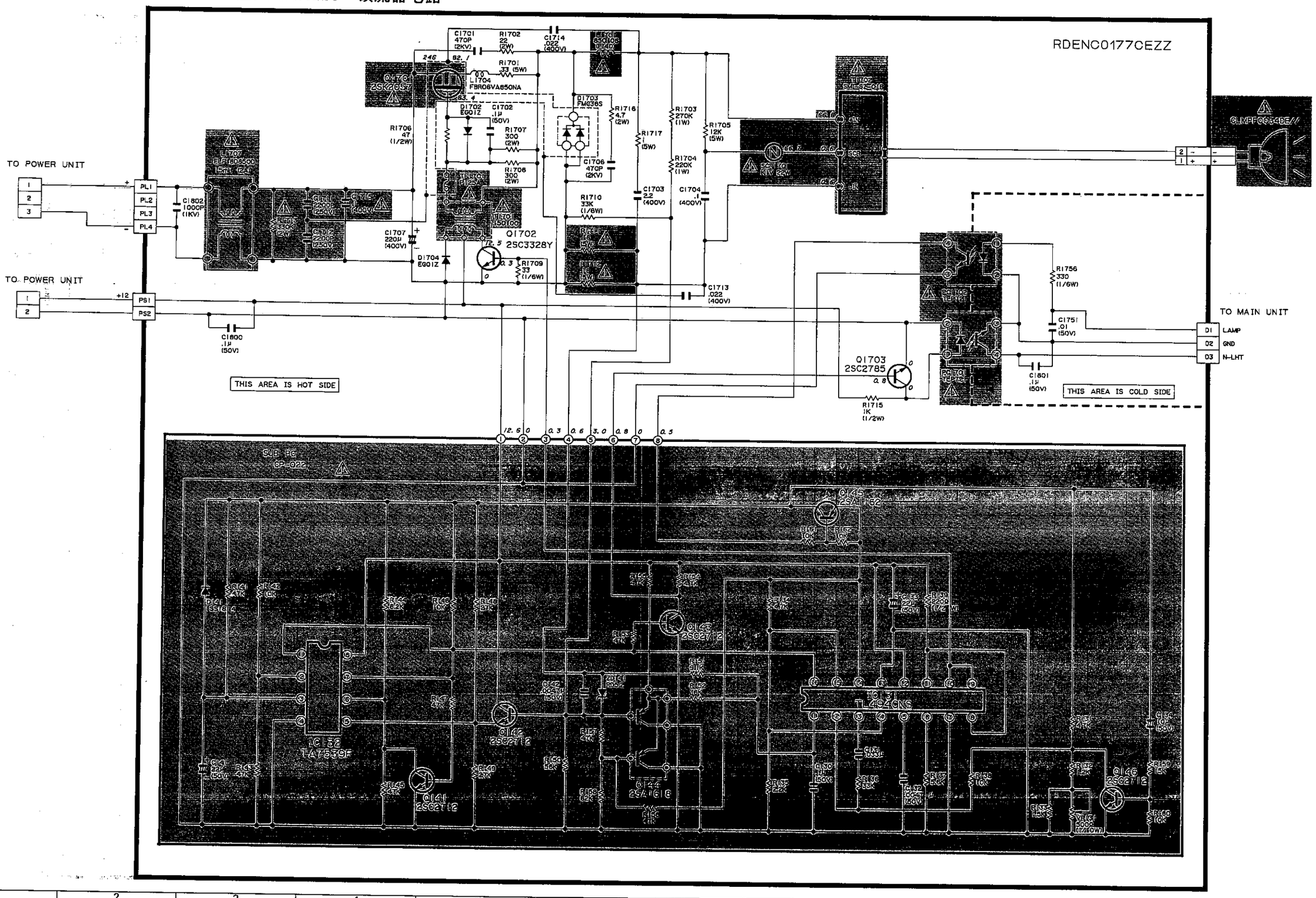
■ POWER UNIT / NETZ-EINHEIT 电源装置电路



XG-3910E
XV-3410S

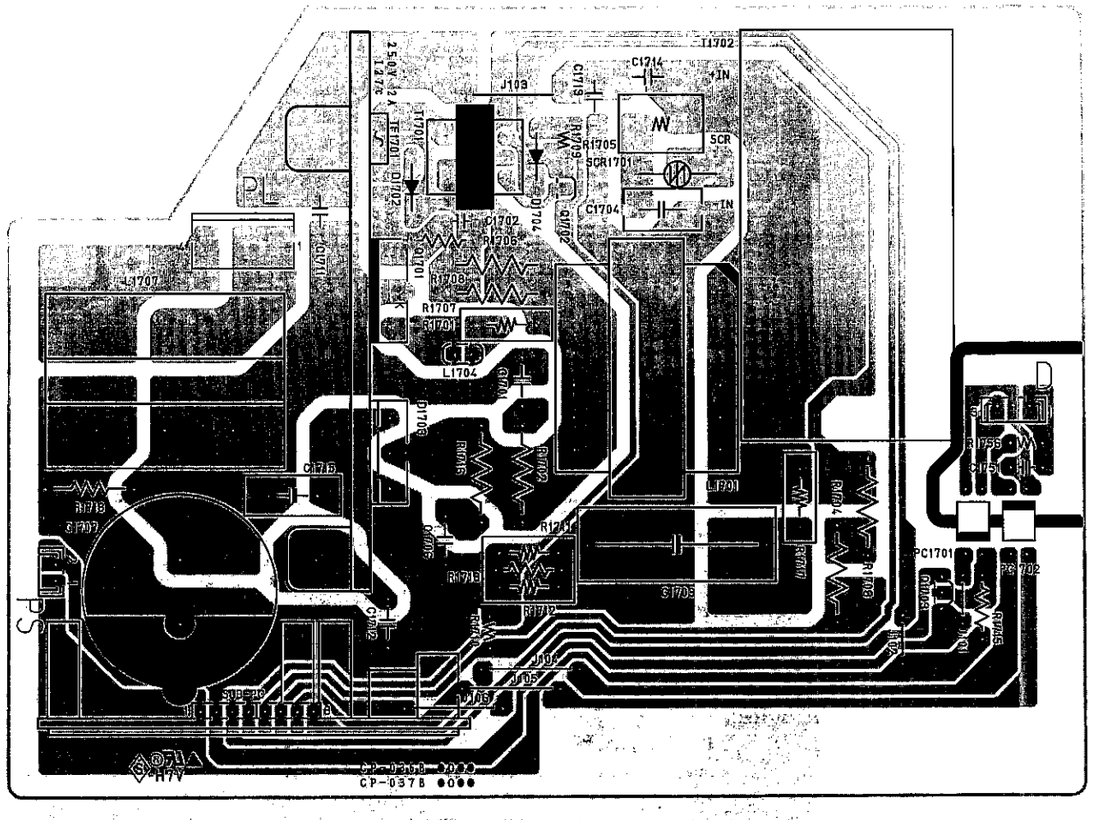
MODEL XV-3410S

■ BALLAST UNIT / VORSCHALT-EINHEIT 镇流器电路

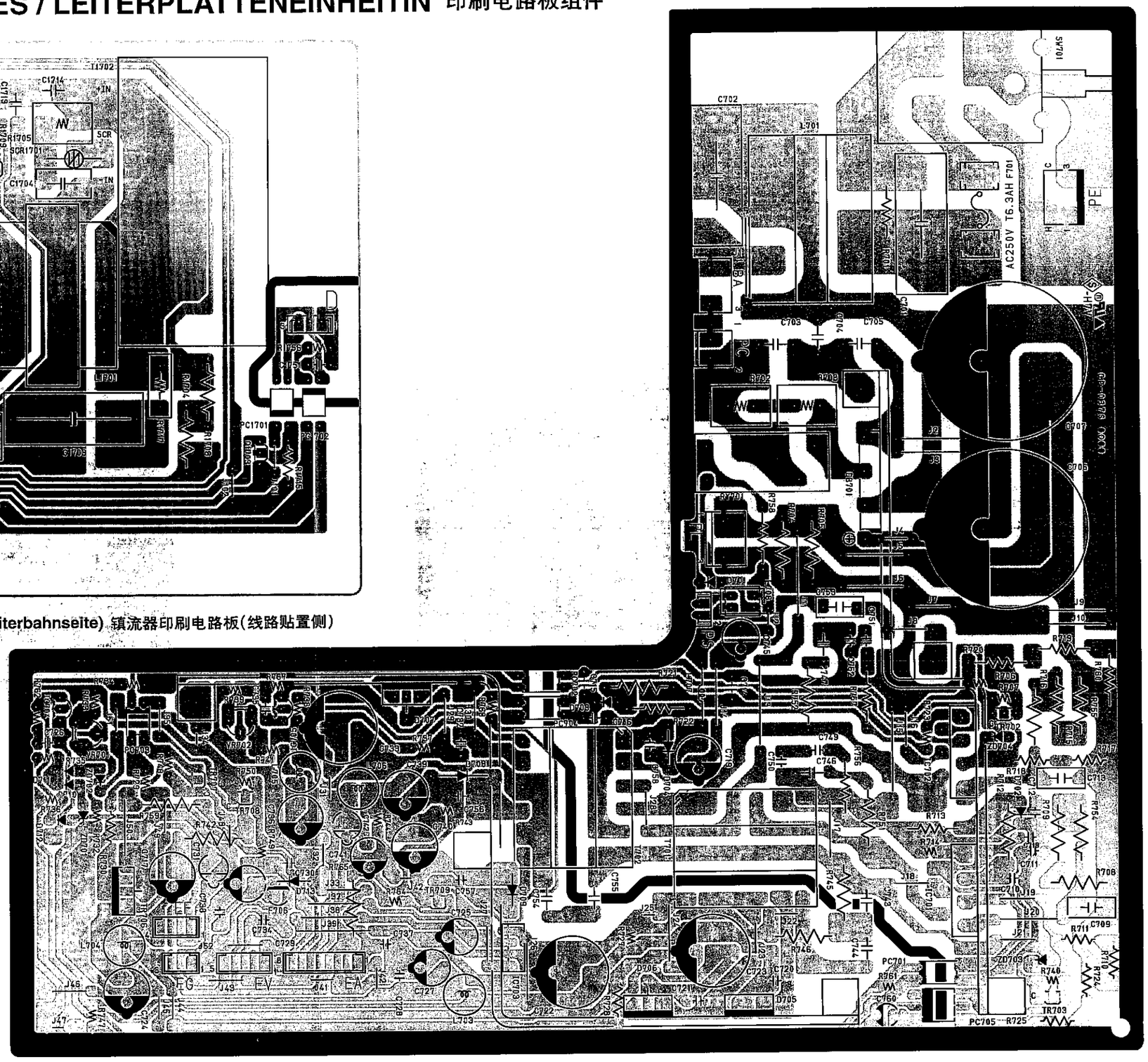


XG-3910E	XG-3910E
XV-3410S	XV-3410S

PRINTED WIRING BOARD ASSEMBLIES / LEITERPLATTENEINHEITIN 印刷电路板组件

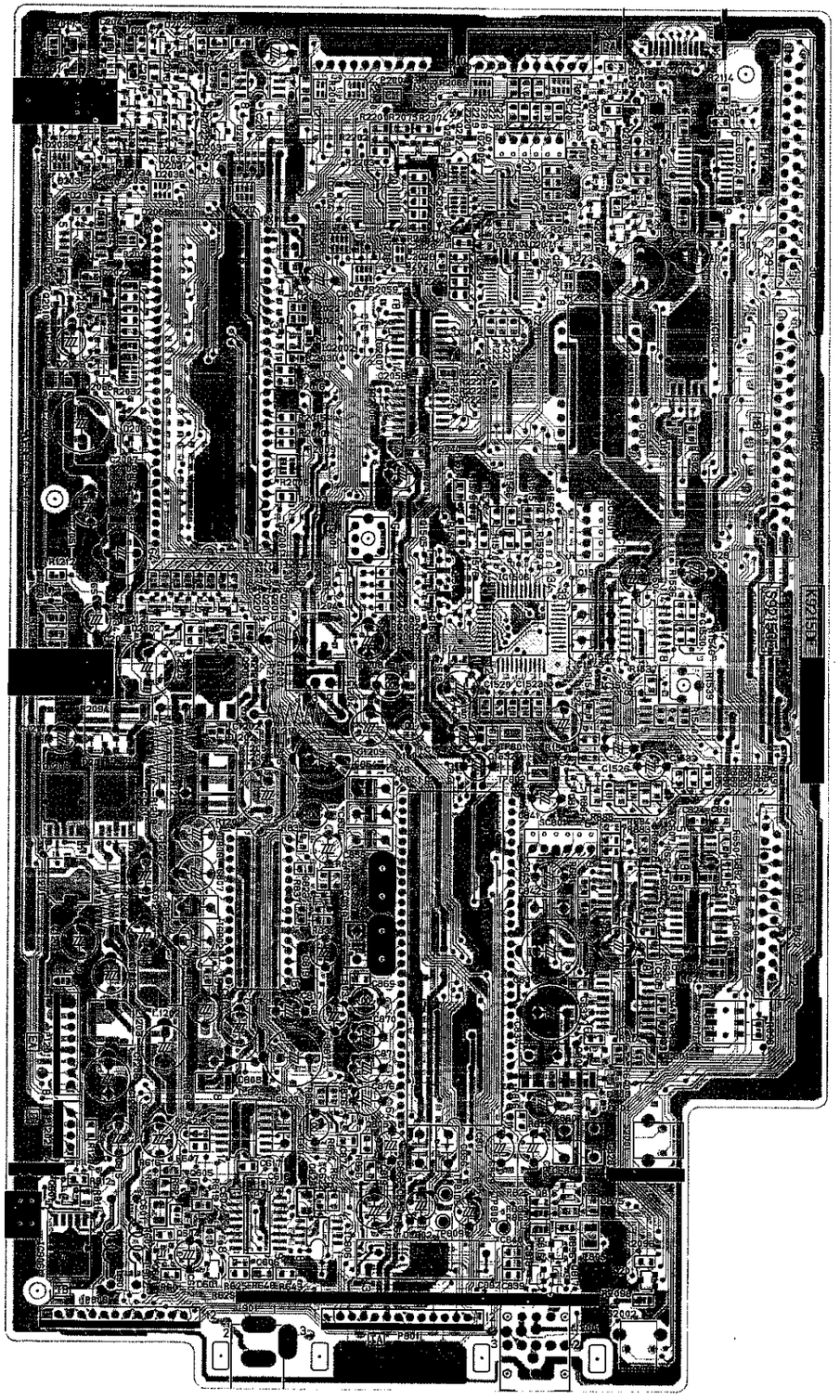


Ballast Unit (Wiring Side) / Vorschalt-Einheit (Leiterbahnseite) 镇流器印刷电路板(线路贴置侧)

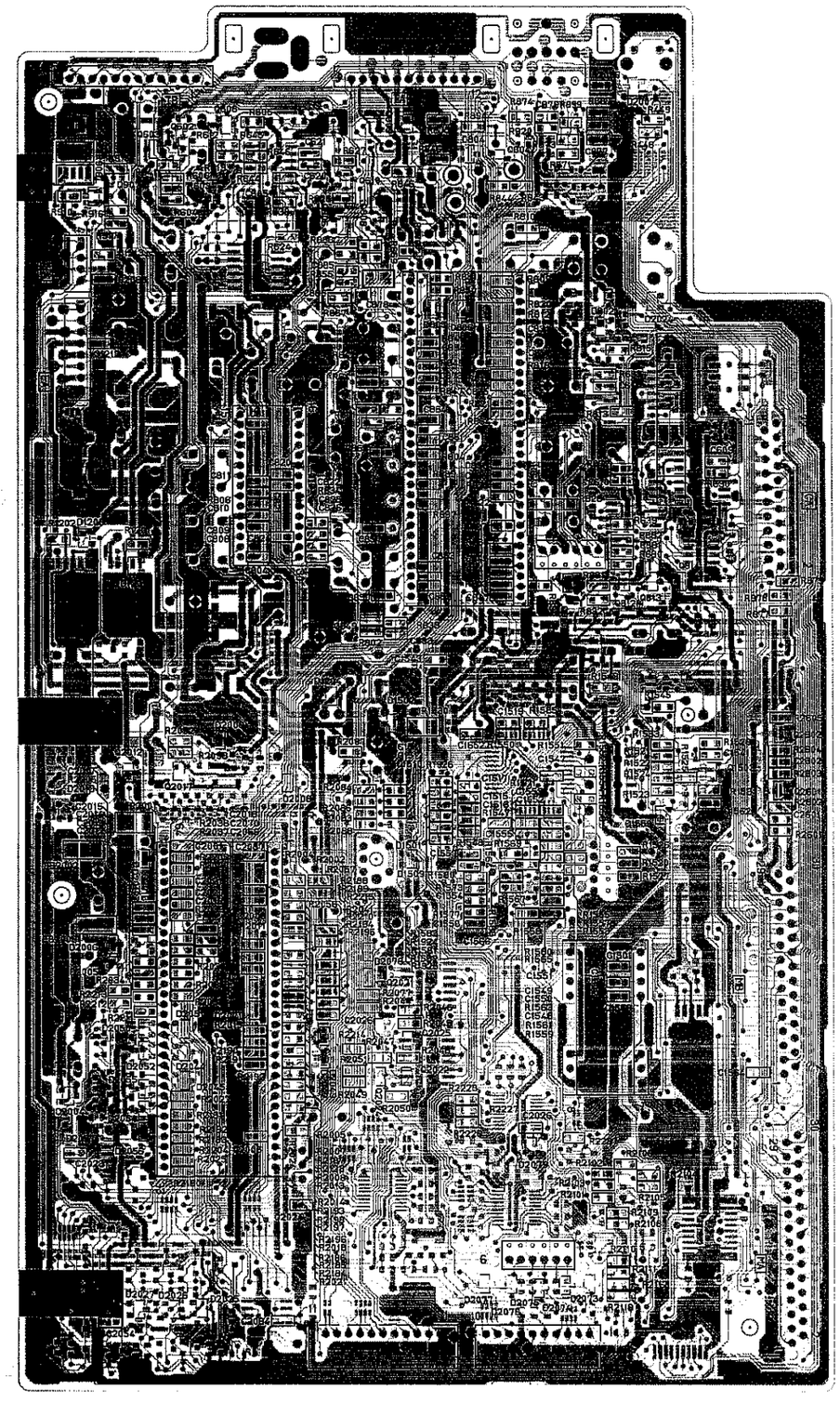


Power Unit (Wiring Side) / Netz-Einheit (Leiterbahnseite) 电源装置印刷电路板(线路贴置侧)

XG-3910E
XV-3410S

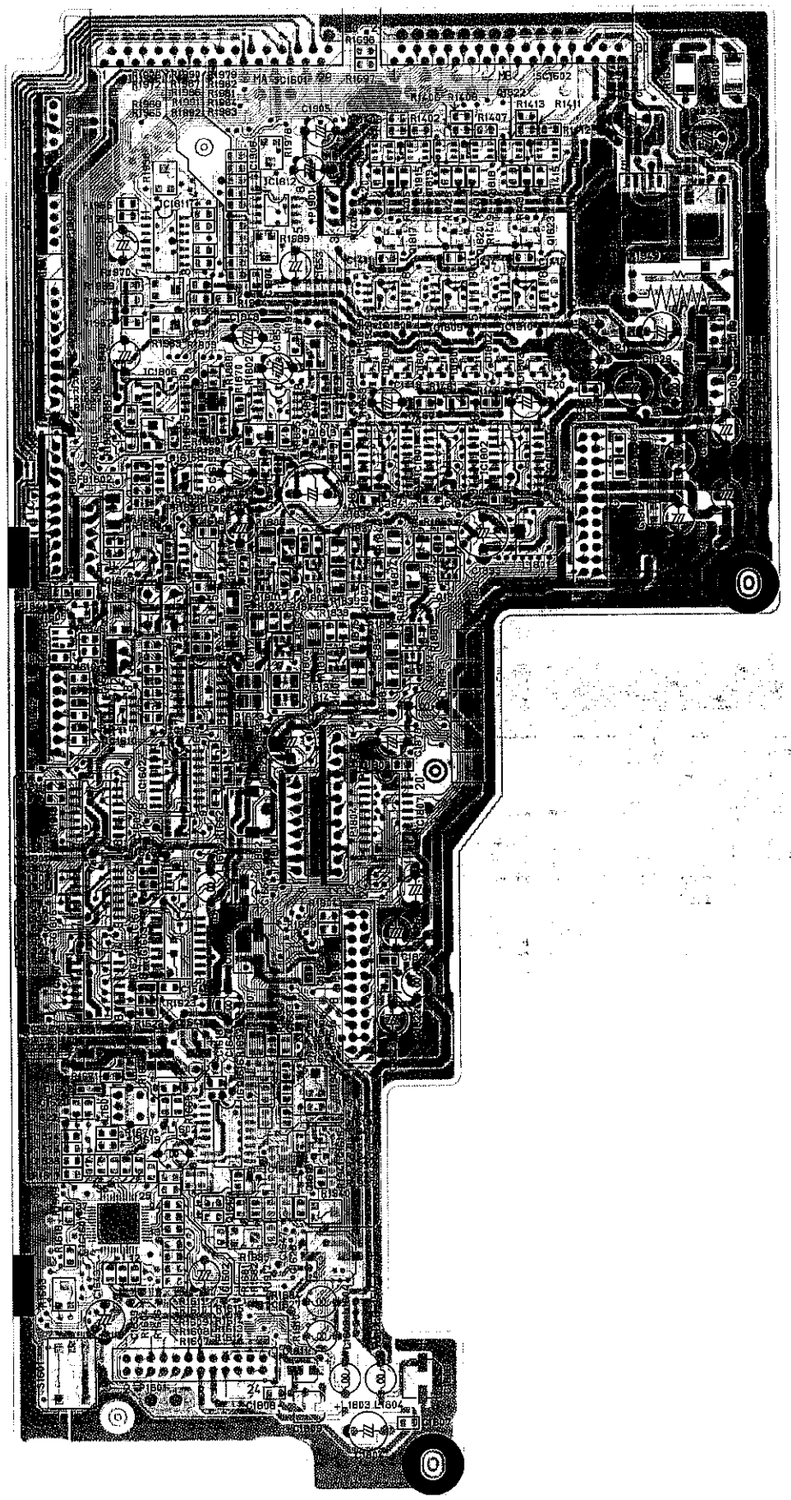


Main Unit (Component Side) / Haupt-Einheit (Bestückungsseite) 主装置印刷电路板(部件装备侧)

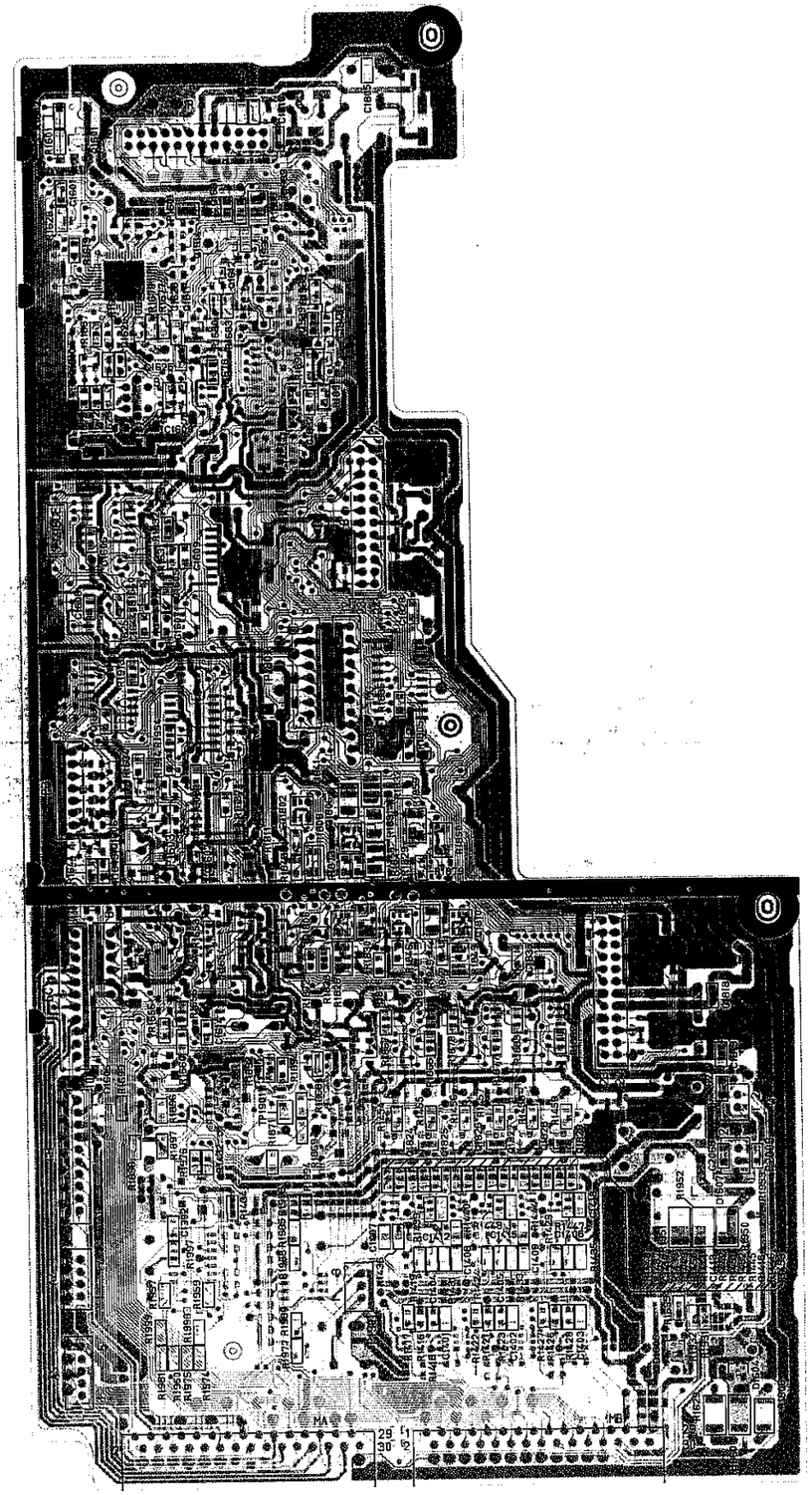


Main Unit (Wiring Side) / Haupt-Einheit (Leiterbahnseite) 主装置印刷电路板(线路贴置侧)

XG-3910E	XG-3910E
XV-3410S	XV-3410S

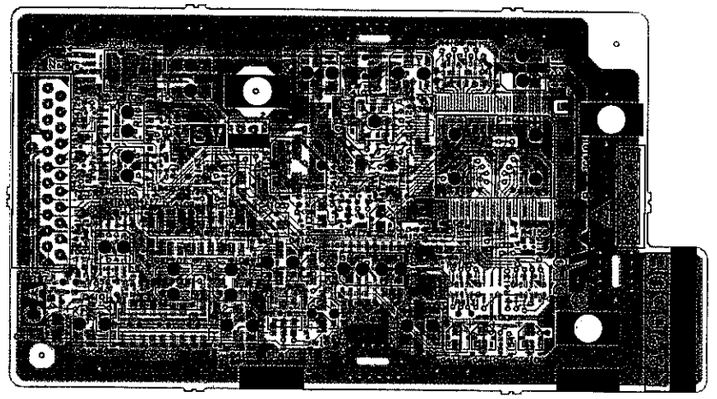


Control Unit (Component Side) / Steuerwerk-Einheit (Bestückungsseite) 控制器印刷电路板(部件装备侧)

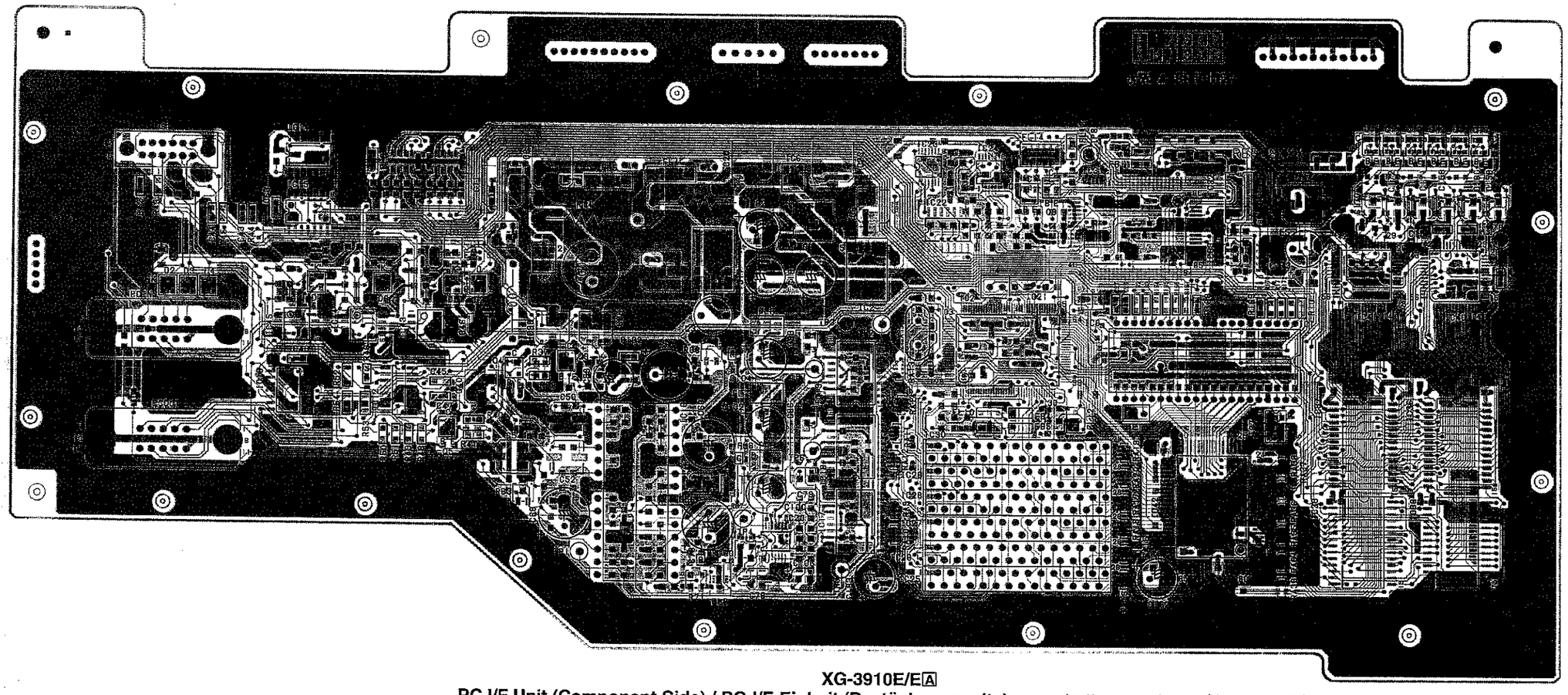


Control Unit (Wiring Side) / Steuerwerk-Einheit (Leiterbahnseite) 控制器印刷电路板(线路贴置侧)

XG-3910E	XG-3910E
XV-3410S	XV-3410S

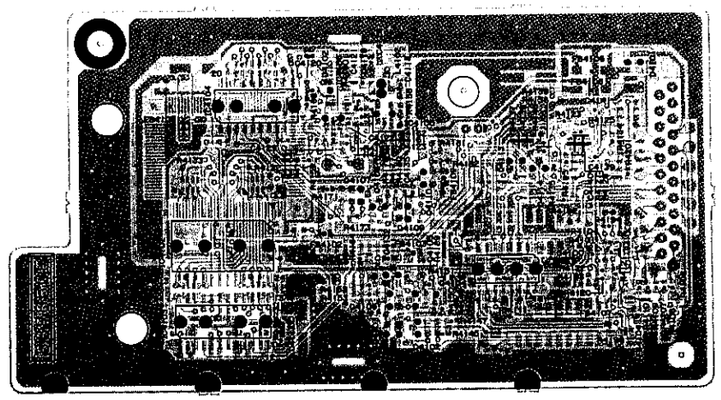


Scan Converter Unit (Component Side) / Abtast-Konverter-Einheit (Bestückungsseite)
扫描行数变换器印刷电路板(部件装备侧)

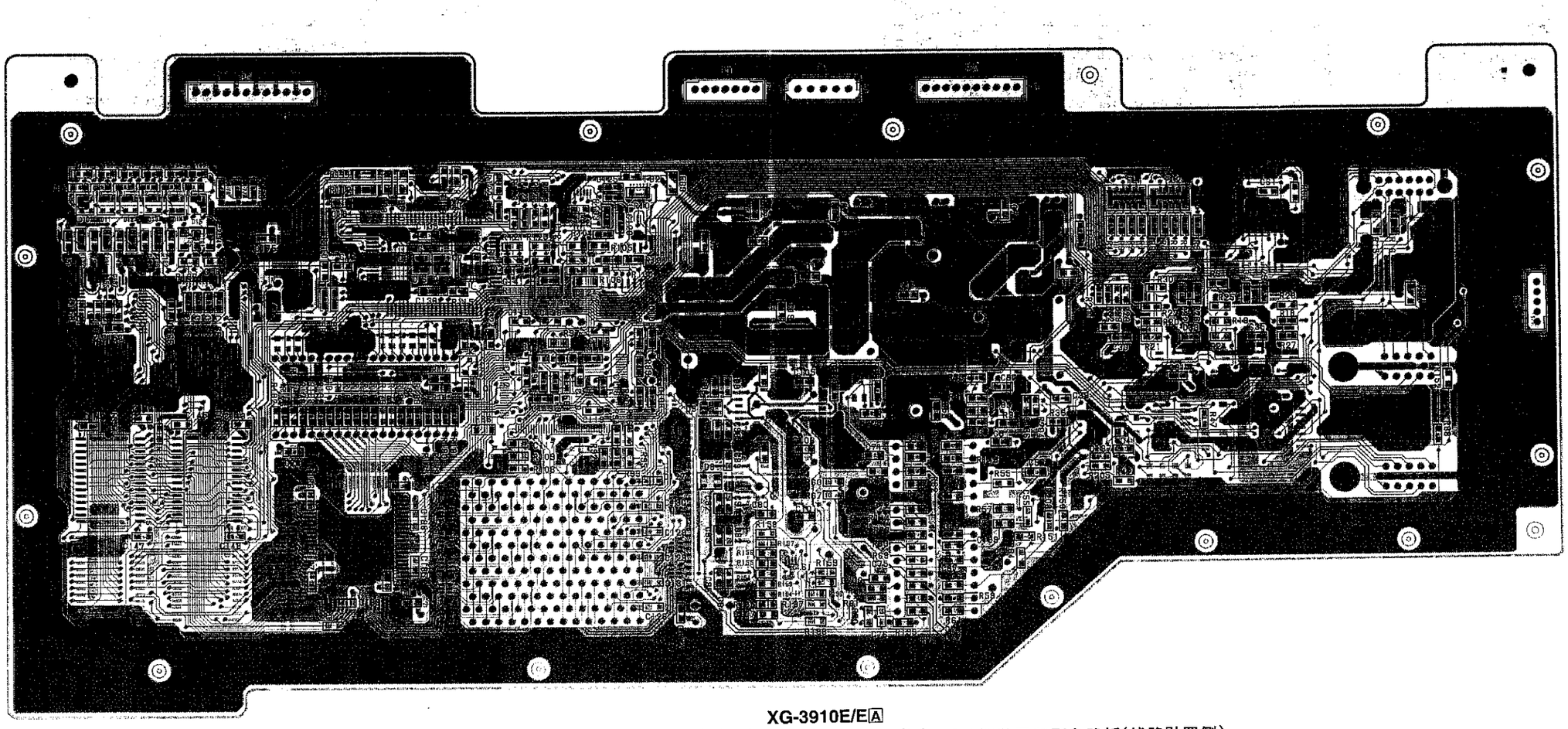


XG-3910E/EA
PC I/F Unit (Component Side) / PC-I/F-Einheit (Bestückungsseite) PC I/F装置印刷电路板(部件装备侧)

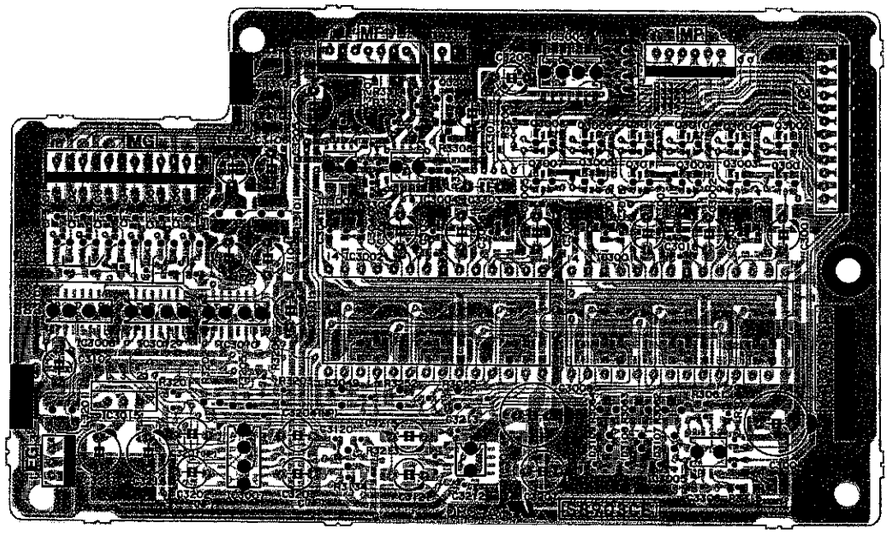
XG-3910E	XG-3910E
XV-3410S	XV-3410S



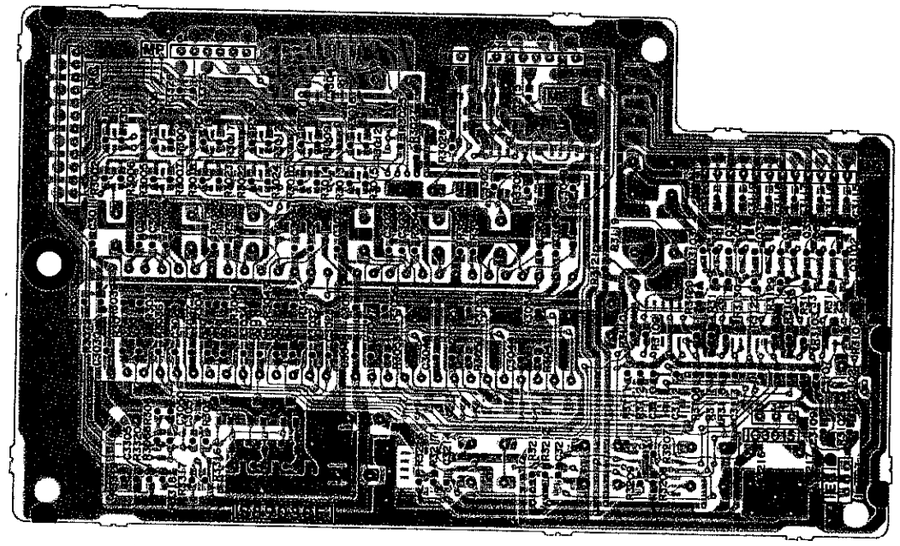
Scan Converter Unit (Wiring Side) / Abtast-Konverter-Einheit (Leiterbahnseite)
扫描行数变换器印刷电路板(线路贴置侧)



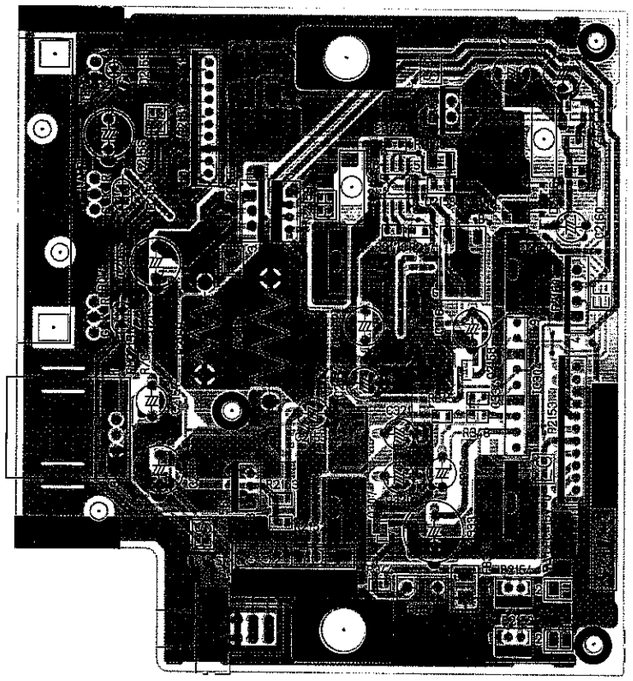
XG-3910E/EA
PC I/F Unit (Wiring Side) / PC-I/F-Einheit (Leiterbahnseite) PC I/F装置印刷电路板(线路贴置侧)



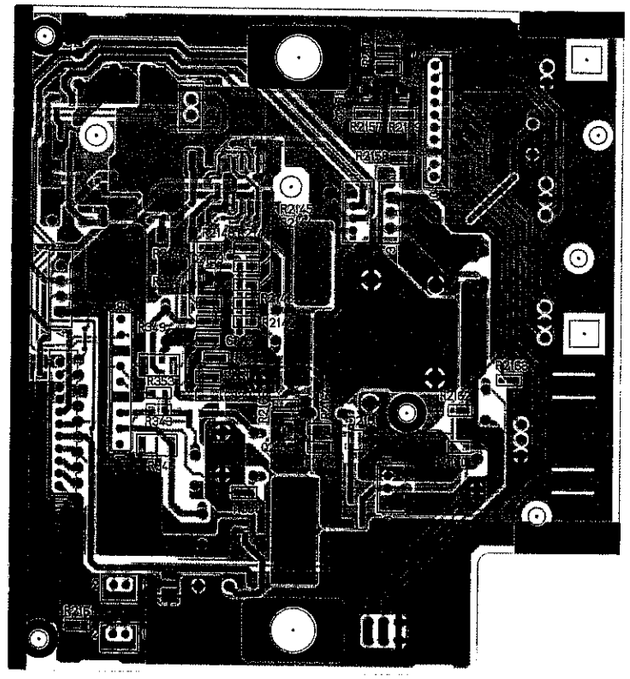
XG-3910E/EA
VGA Amp Unit (Component Side) /
VGA-Verstärker-Einheit (Bestückungsseite)
VGA放大器印刷电路板(部件装备侧)



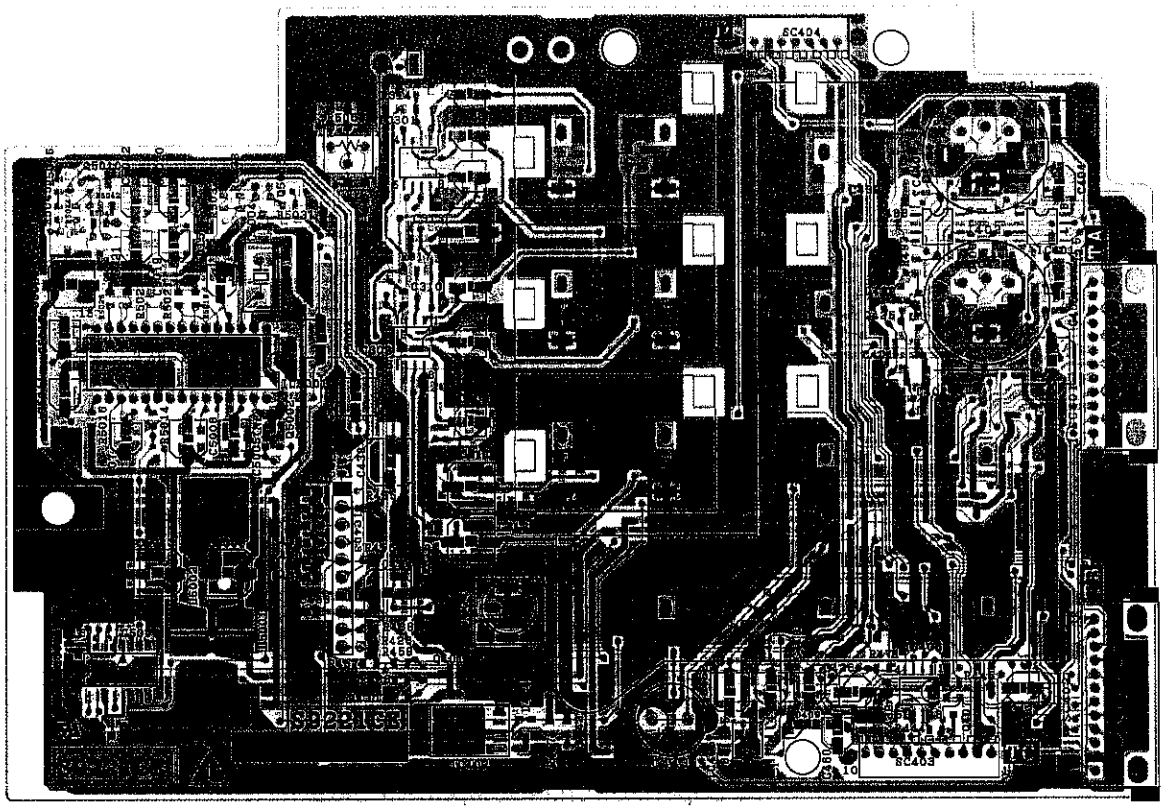
XG-3910E/EA
VGA Amp Unit (Wiring Side) /
VGA-Verstärker-Einheit (Leiterbahnseite)
VGA放大器印刷电路板(线路贴置侧)



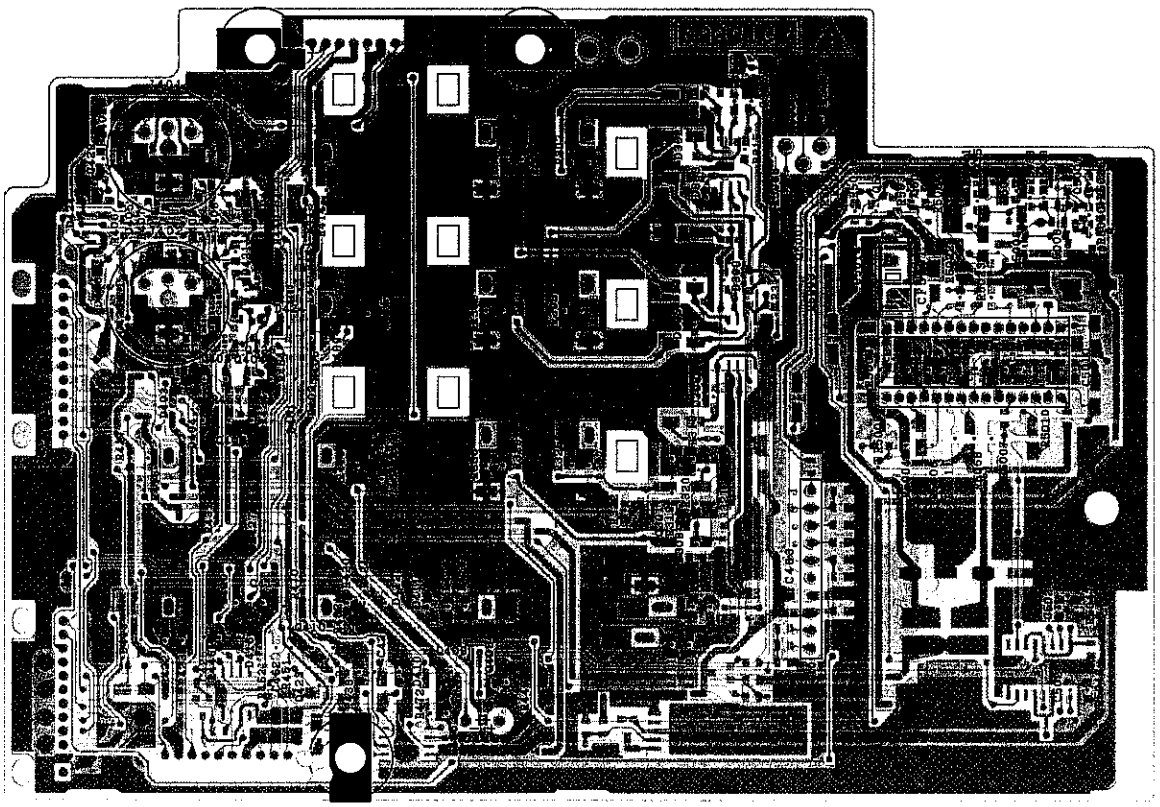
Audio Amp/LED Unit (Component Side) /
Audiostufe-Verstärker/LED-Einheit (Bestückungsseite)
音频信号放大器/LED装置印刷电路板(部件装备侧)



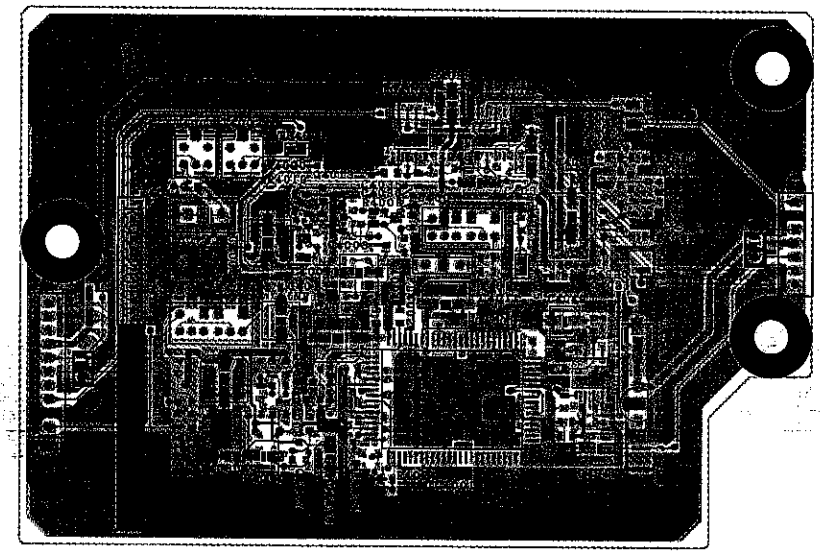
Audio Amp/LED Unit (Wiring Side) /
Audiostufe-Verstärker/LED-Einheit (Leiterbahnseite)
音频信号放大器/LED装置印刷电路板(线路贴置侧)



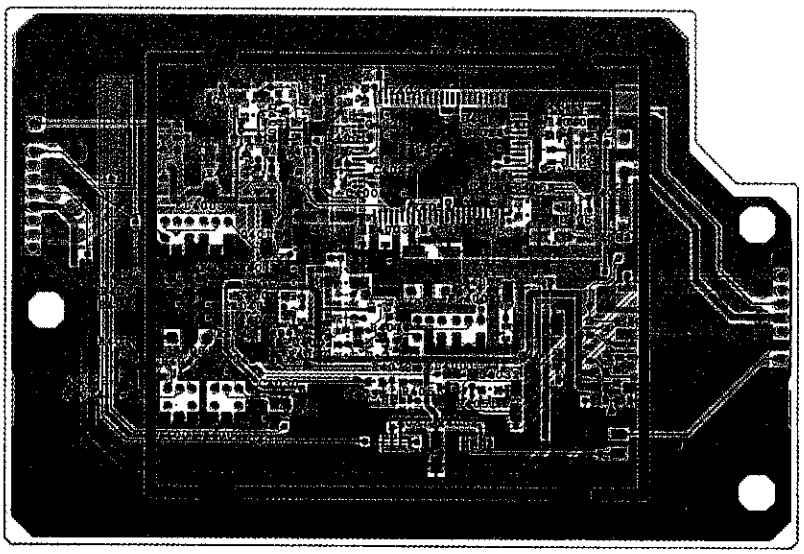
Input Unit (Component Side) /
Eingangs-Einheit (Bestückungsseite)
输入装置印刷电路板(部件装备侧)



Input Unit (Wiring Side) /
Eingangs-Einheit (Leiterbahnseite)
输入装置印刷电路板(线路贴置侧)



Y/C Separator Unit (Component Side) /
Y/C-Trennstufe-Einheit (Bestückungsseite)
亮度/色度信号分离装置印刷电路板(部件装备侧)



Y/C Separator Unit (Wiring Side) /
Y/C-Trennstufe-Einheit (Leiterbahnseite)
亮度/色度信号分离装置印刷电路板(线路贴置侧)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" in the Replacement Parts Lists.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

MARK ★: SPARE PARTS-DELIVERY SECTION

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenshaften sind in den Ersatzteil durch "⚠" gekenn-zeichnet.
Der Gebrauch von Ersatzteilen, die nicht deselben Sicherheits-eigenschaften haben wie die vom Hersteller empfohlenen ud in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATSTEILE BESTELLT"

Damit Ihre Bestellung promt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR.
2. REF. NR.
3. ERSATZTEIL NR.
4. BESCHREIBUNG
5. KODE
6. QUANTITÄT

MARKIERUNG ★: ERSATZTEILE-LIEFERUNG

更换零件表

更换零件

本维修说明书对具有特别安全要求的零件均用标记加以识别:
在此更换零件表中，具有特别安全要求的电路元件均用⚠标记以便注意识别。更换零件时，为了用户的安全以及电视机原有的工作性能，务请使用夏普规定零件。否则，可能有导致触电、火灾或其他不测事故发生的可能。

更换零件的订货方法

为了能迅速而确实地接受订货、以及正确无误地按时交货，在订货时请将下列各项明确告知。

1. 型号
2. 参考编号
3. 零件编号
4. 零件名称
5. 代号
6. 数量

附★记号为备用部件的交货部门

Ref. No.	Part No.	★	Description	Code

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

MODEL XG-3910E

DUNTK9215DE06	–	Main Unit	—
DUNTK9216DE06	–	Control Unit	—
DUNTK8903DE22	–	VGA Amp Unit	—
DUNTK8965FE22	–	Scan Converter Unit	—
DUNTK9217DE06	–	Audio Amp/LED Unit	—
DUNTK9220DE06	–	Y/C Separator Unit	—
DUNTK9221DE06	–	Input Unit	—
RDENC0209CEZZ	–	Power Unit	—
RDENC0210CEZZ	–	Ballast Unit	—
RPCi-0018CEZZ	–	PC I/F Unit	—

MODEL XG-3910EⒶ

DUNTK9215DE07	–	Main Unit	—
DUNTK9216DE07	–	Control Unit	—
DUNTK8903DE23	–	VGA Amp Unit	—
DUNTK8965FE23	–	Scan Converter Unit	—
DUNTK9217DE07	–	Audio Amp/LED Unit	—
DUNTK9220DE07	–	Y/C Separator Unit	—
DUNTK9221DE07	–	Input Unit	—
RDENC0209CEZZ	–	Power Unit	—
RDENC0210CEZZ	–	Ballast Unit	—
RPCi-0018CEZZ	–	PC I/F Unit	—

MODEL XV-3410S

DUNTK9215DE05	–	Main Unit	—
DUNTK9216DE05	–	Control Unit	—
DUNTK8965FE22	–	Scan Converter Unit	—
DUNTK9217DE05	–	Audio Amp/LED Unit	—
DUNTK9220DE05	–	Y/C Separator Unit	—
DUNTK9221DE05	–	Input Unit	—
RDENC0169CEZZ	–	Power Unit	—
RDENC0177CEZZ	–	Ballast Unit	—

ASSEMBLY UNIT

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

RLCDP0022CEZZ	J	LCD Module Unit R/G	DB
RLCDP0023CEZZ	J	LCD Module Unit B	DB

Ref. No.	Part No.	★	Description	Code

DUNTK9215DE06/07/05

MAIN UNIT

INTEGRATED CIRCUITS

IC601	VHiTC4S01F/-1	J	TC4S01F	AC
IC602	RH-iX2174CEZZ	J	Multi Vibrator MC74HC4538FR	AG
IC603	RH-iX2174CEZZ	J	Multi Vibrator MC74HC4538FR	AG
IC604	VHiTHC221AF-1	J	TC74HC221AF	AG
IC605	VHiSNHC00NS-1	J	SN74HC00NS	AC
IC606	VHiBA7046F/-1	J	BA7046F	AF
IC607	VHiTC4W53F/-1	J	TC4W53F	AE
IC608	RH-iX2174CEZZ	J	Multi Vibrator MC74HC4538FR	AG
IC801	RH-iX2508CEN3	J	Colour Signal Demodulator TA8880CN	BA
IC802	VHiTA8772AN-1	J	Chroma Delay TA8772AN	AV
IC906	RH-iX2204CEZZ	J	PQ12TZ11	AG
IC1201	RH-iX2204CEZZ	J	PQ12TZ11	AG
IC1202	VHiPQ09SZ11-1	J	PQ09SZ1U	AG
IC1203	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC1204	VHiTA79010S-1	J	TA79010S	AE
IC1301	VHiTA7279P/-1	J	Lens Motor Control	AP
IC1302	VHiLB1831M/-1	J	Lens Motor Control	AN
IC1304	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC1504	VHiNJM2060M-1	J	NJM2060M	AE
IC1505	VHiNJM2904M-1	J	NJM2904M	AE
IC1506	VHiiR3Y08//-1	J	Video Control	AS
IC2001	RH-iX2894CEZZ	J	Microprocessor	BA
IC2002	VHiPST529CM-1	J	PST529CMT	AE
IC2003	VHiXL93L46F-1	J	E2PROM	AG
IC2004	VHiM62352GP-1	J	D/A Control	AQ
IC2005	VHiM62352GP-1	J	D/A Control	AQ
IC2006	VHiSNHC00NS-1	J	SN74HC00NS	AC
IC2007	VHiSNHC00NS-1	J	SN74HC00NS	AC
IC2008	VHiNJM2904M-1	J	NJM2904M (XG-3910E/EA)	AE
IC2011	VHiM62352GP-1	J	M62352GP	AQ

TRANSISTORS

Q601	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q602	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q603	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q604	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q605	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q606	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q610	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q801	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q804	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q805	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q806	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q808	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q809	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q810	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q811	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q812	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q813	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q814	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q815	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q816	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q817	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q818	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q819	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q820	VSDTC144EK/-1	J	DTC144EK	AB
Q901	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q1503	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1504	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1505	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1506	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2001	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2002	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q2003	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2004	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2005	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2006	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2010	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2011	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q2012	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2013	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2014	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2015	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2016	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2017	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2021	VSDTC144EK/-1	J	DTC144ES	AB
Q2022	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2024	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2025	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2026	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2029	VS2SA1037KQ-1	J	2SA1037KQ (XG-3910E/EA)	AA
Q2030	VS2SA1037KQ-1	J	2SA1037KQ (XG-3910E/EA)	AA
Q2031	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2601	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q2602	VS2SC2412KQ-1	J	2SC2412KQ	AA

DIODES

D601	VHDMA152WK/-1	J	Diode MA152WK	AA
D801	RH-EX0497CEZZ	J	Zener Diode 3.3V	AC
D802	RH-EX0539CEZZ	J	Zener Diode 9.1V	AB
D803	VHDMA152WK/-1	J	Diode MA152WK	AA
D804	VHDMA152WK/-1	J	Diode MA152WK	AA
D805	VHDMA153///-1	J	Diode MA153	AB
D806	VHDMA152WK/-1	J	Diode MA152WK	AA
D808	RH-EX0294CEZZ	J	Zener Diode 5.1V	AA
D906	VHDMA152WK/-1	J	Diode MA152WK	AA
D907	VHDMA152WK/-1	J	Diode MA152WK	AA
D1201	VHDMA152WK/-1	J	Diode MA152WK	AA
D1202	VHDMA152WK/-1	J	Diode MA152WK	AA
D1203	VHDMA152WK/-1	J	Diode MA152WK	AA

Ref. No.	Part No.	★	Description	Code

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D1204	VHDMA152WK/-1	J	Diode MA152WK	AA
D1303	VHDMA152WK/-1	J	Diode MA152WK	AA
D1501	VHDMA152WK/-1	J	Diode MA152WK	AA
D1502	VHDMA153///-1	J	Diode MA153	AB
D1509	VHDMA152WK/-1	J	Diode MA152WK	AA
D1550	VHDMA153///-1	J	Diode MA153	AB
D2001	VHDMA152WK/-1	J	Diode MA152WK	AA
D2002	RH-EX0516CEZZ	J	Zener Diode	AB
D2004	VHDMA152WK/-1	J	Diode MA152WK	AA
D2005	RH-EX0227CEZZ	J	Zener Diode 5.1V	AB
D2006	VHDMA152WK/-1	J	Diode MA152WK	AA
D2007	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D2008	VHDMA152WK/-1	J	Diode MA152WK	AA
D2009	VHDMA152WK/-1	J	Diode MA152WK	AA
D2010	RH-EX0227CEZZ	J	Zener Diode 5.1V	AB
D2011	VHDMA152WK/-1	J	Diode MA152WK	AA
D2012	RH-EX0227CEZZ	J	Zener Diode 5.1V	AB
D2013	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D2016	VHDMA152WK/-1	J	Diode MA152WK	AA
D2017	VHDMA152WK/-1	J	Diode MA152WK	AA
D2018	VHDMA152WK/-1	J	Diode MA152WK	AA
D2019	VHDMA152WK/-1	J	Diode MA152WK	AA
D2020	VHDMA153///-1	J	Diode MA153	AB
D2021	VHDMA153///-1	J	Diode MA153	AB
D2022	VHDMA153///-1	J	Diode MA153	AB
D2023	VHDMA153///-1	J	Diode MA153	AB
D2024	VHDMA152WK/-1	J	Diode MA152WK	AA
D2025	VHDMA152WK/-1	J	Diode MA152WK	AA
D2026	VHDMA152WK/-1	J	Diode MA152WK	AA
D2027	VHDMA152WK/-1	J	Diode MA152WK	AA
D2028	VHDMA152WK/-1	J	Diode MA152WK	AA
D2029	VHDMA152WK/-1	J	Diode MA152WK (XG-3910E/EⒶ)	AA
D2030	VHDMA152WK/-1	J	Diode MA152WK	AA
D2031	VHDMA152WK/-1	J	Diode MA152WK	AA
D2032	VHDMA152WK/-1	J	Diode MA152WK	AA
D2033	VHDMA152WK/-1	J	Diode MA152WK	AA
D2036	VHDMA152WK/-1	J	Diode MA152WK	AA
D2037	VHDMA153///-1	J	Diode MA153	AB
D2038	VHDMA153///-1	J	Diode MA153	AB
D2039	VHDMA153///-1	J	Diode MA153	AB
D2040	VHDMA153///-1	J	Diode MA153	AB
D2042	RH-EX0251CEZZ	J	Zener Diode	AB
D2043	RH-EX0251CEZZ	J	Zener Diode	AB
D2044	RH-EX0251CEZZ	J	Zener Diode	AB
D2045	RH-EX0251CEZZ	J	Zener Diode	AB
D2046	RH-EX0251CEZZ	J	Zener Diode	AB
D2047	RH-EX0251CEZZ	J	Zener Diode	AB
D2048	RH-EX0251CEZZ	J	Zener Diode	AB
D2049	VHDMA152WK/-1	J	Diode MA152WK	AA
D2050	VHDMA152WA/-1	J	Diode MA152WA	AA
D2051	VHDMA152WK/-1	J	Diode MA152WK	AA
D2052	VHDMA152WA/-1	J	Diode MA152WA	AA
D2053	VHDMA152WK/-1	J	Diode MA152WK	AA
D2054	VHDMA152WA/-1	J	Diode MA152WA	AA
D2055	VHDMA152WK/-1	J	Diode MA152WK	AA
D2056	VHDMA152WA/-1	J	Diode MA152WA	AA
D2057	VHDMA152WK/-1	J	Diode MA152WK	AA
D2058	VHDMA152WK/-1	J	Diode MA152WK	AA
D2059	VHDMA152WK/-1	J	Diode MA152WK	AA
D2066	VHDMA152WK/-1	J	Diode MA152WK	AA
D2067	VHDMA152WA/-1	J	Diode MA152WA	AA
D2068	VHDMA152WA/-1	J	Diode MA152WA	AA
D2069	VHDMA152WA/-1	J	Diode MA152WA	AA
D2070	VHDMA152WA/-1	J	Diode MA152WA	AA
D2071	VHDMA152WK/-1	J	Diode MA152WK	AA
D2072	VHDMA152WK/-1	J	Diode MA152WK	AA
D2073	RH-EX0227CEZZ	J	Zener Diode 5.1V	AB
D2074	RH-EX0227CEZZ	J	Zener Diode 5.1V	AB
D2075	RH-EX0227CEZZ	J	Zener Diode 5.1V	AB
D2076	RH-EX0227CEZZ	J	Zener Diode 5.1V	AB
D2077	RH-EX0227CEZZ	J	Zener Diode 5.1V	AB
D2078	RH-EX0251CEZZ	J	Zener Diode	AB
D2079	RH-EX0251CEZZ	J	Zener Diode	AB

PACKAGED CIRCUITS

X801	RCRSB0002CEZZ	J	Crystal	AM
X802	RCRSB0069CEZZ	J	Crystal	AG

COIL AND TRANSFORMERS

CF801	RFiLA0034CEZZ	J	Ceramic Filter	AD
CF2001	RFiLC0112GEZZ	J	Ceramic Filter	AC
L801	VP-MK120K0000	J	Peaking Coil 12µH	AB
L803	VP-MK270K0000	J	Peaking Coil 27µH	AB
L804	VP-MK220K0000	J	Peaking Coil 22µH	AB
L805	VP-1M2R2JR77N	J	Peaking Coil 2.2µH	AC
L901	VP-CF3R9K0000	J	Peaking Coil 3.9µH	AB
L902	VP-CF3R9K0000	J	Peaking Coil 3.9µH	AB
L1201	RCiLP0168TAZZ	J	Coil	AF
L1202	RCiLP0168TAZZ	J	Coil	AF
L1203	RCiLP0168TAZZ	J	Coil	AF
L1204	RCiLP0168TAZZ	J	Coil	AF
L1501	VP-MK5R6K0000	J	Peaking Coil 5.6µH	AB
L1504	VP-MK8R2K0000	J	Peaking Coil 8.2µH	AB
T2001	RCiLB0024CEZZ	J	Oscillation Coil Sign Display Position Adj.	AD

CONTROL

R1539	RVR-M4277CEZZ	J	68k(B) AGC	AD

CAPACITORS

C601	VCKYTQ1CB105K	J	1	16V	Ceramic	AC
C602	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C605	VCCCTV1HH221J	J	220p	50V	Ceramic	AA
C606	VCCCTV1HH821J	J	820p	50V	Ceramic	AB
C607	VCQYTA1HM183J	J	0.018	50V	Mylar	
C608	VCCCTV1HH470J	J	47p	50V	Cera	
C609	VCCCTV1HH102J	J	1000p	50V		
C610	VCKYTV1EF104Z	J	0.1			

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Ref. No.	Part No.	★	Description			Code
C611	VCCCTV1HH102J	J	1000p	50V	Ceramic	AA
C612	VCCCTV1HH102J	J	1000p	50V	Ceramic	AA
C613	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C614	VCCCTV1HH561J	J	560p	50V	Ceramic	AA
C615	VCCCTV1HH102J	J	1000p	50V	Ceramic	AA
C617	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C618	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C619	VCE9GA1CW226M	J	22	16V	Elect. (N.P)	AB
C620	VCKYTV1HB223K	J	0.022	50V	Ceramic	AB
C621	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C622	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C623	VCKYTV1HB102K	J	1000p	50V	Ceramic	AA
C624	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C625	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C627	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C804	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C805	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C806	VCEAGA1HW474M	J	0.47	50V	Electrolytic	AA
C807	VCEAGA1HW474M	J	0.47	50V	Electrolytic	AA
C808	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C809	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C810	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C811	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C812	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C813	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C814	VCE9GA1HW474M	J	0.47	50V	Elect. (N.P)	AB
C815	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C816	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C817	VCEAGA1HW225M	J	2.2	50V	Electrolytic	AB
C818	VCEAGA1HW225M	J	2.2	50V	Electrolytic	AB
C819	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C820	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C821	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C822	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C823	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C824	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C825	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C826	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C827	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C828	VCQYTA1HM153J	J	0.015	50V	Mylar	AA
C829	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C831	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C832	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C833	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C834	VCQYTA1HM103J	J	0.01	50V	Mylar	AA
C835	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C836	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C837	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C838	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C839	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C840	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C841	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C842	VCQYTA1HM103J	J	0.01	50V	Mylar	AA
C843	VCEAGA1HW225M	J	2.2	50V	Electrolytic	AB
C844	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C845	VCCCTV1HH820J	J	82p	50V	Ceramic	AA
C846	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C847	VCCCTV1HH820J	J	82p	50V	Ceramic	AA
C848	VCQYTA1HM223J	J	0.022	50V	Mylar	AA
C849	VCCCTV1HH470J	J	47p	50V	Ceramic	AA
C850	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C852	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C853	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C854	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C855	VCEAGA1HW475M	J	4.7	50V	Electrolytic	AB
C856	VCQYTA1HM223J	J	0.022	50V	Mylar	AA
C857	VCCCTV1HH120J	J	12p	50V	Ceramic	AA
C858	VCCCTV1HH100D	J	10p	50V	Ceramic	AA
C859	VCQYTA1HM223J	J	0.022	50V	Mylar	AA
C861	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C863	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C864	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C865	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C866	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C867	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C868	VCCCTV1HH470J	J	47p	50V	Ceramic	AA
C869	VCCCTV1HH270J	J	27p	50V	Ceramic	AA
C870	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C871	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C872	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C873	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C874	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C875	VCCCTV1HH560J	J	56p	50V	Ceramic	AA
C876	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C877	VCCCTV1HH560J	J	56p	50V	Ceramic	AA
C878	VCKYTQ1HF224Z	J	0.22	50V	Ceramic	AB
C880	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C882	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C883	VCCCTV1HH220J	J	22p	50V	Ceramic	AA
C884	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C887	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C888	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C889	VCEAGA1CW226M	J	22	16V	Electrolytic	AB
C891	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C892	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C893	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C896	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C914	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C915	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1201	VCEAGA1EW107M	J	100	25V	Electrolytic	AD
C1202	VCEAGA1EW107M	J	100	25V	Electrolytic	AD
C1203	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1204	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1205	VCEAGA1EW227M	J	220	25V	Electrolytic	AC
C1206	VCEAGA1EW227M	J	220	25V	Electrolytic	AC
C1207	VCEAGA1EW107M	J	100	25V	Electrolytic	AD
C1208	VCEAGA1EW107M	J	100	25V	Electrolytic	AD
C1209	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1212	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA

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Ref. No.	Part No.	★	Description			Code
C1213	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1301	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1302	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1303	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1304	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1305	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1306	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1307	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1308	VCEAGA1EW107M	J	100	25V	Electrolytic	AD
C1309	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C1510	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1511	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1512	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1513	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1514	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1515	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1516	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1517	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1518	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1519	VCCCTV1HH151J	J	150p	50V	Ceramic	AA
C1520	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1521	VCKYTV1HB682K	J	6800p	50V	Ceramic	AA
C1522	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1523	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1524	VCEAGA1EW107M	J	100	25V	Electrolytic	AD
C1526	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1527	VCEAGA1HW225M	J	2.2	50V	Electrolytic	AB
C1528	VCEAGA1HW225M	J	2.2	50V	Electrolytic	AB
C1530	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1532	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1533	VCE9GA1HW105M	J	1	50V	Elect. (N.P)	AB
C1541	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C1542	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1543	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1544	VCQYTA1HM473J	J	0.047	50V	Mylar	AA
C1545	VCQYTA1HM473J	J	0.047	50V	Mylar	AA
C1546	VCQYTA1HM473J	J	0.047	50V	Mylar	AA
C1547	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1548	VCCCTV1HH102J	J	1000p	50V	Ceramic	AA
C1549	VCKYTV1HB682K	J	6800p	50V	Ceramic	AA
C1550	VCKYTV1HB682K	J	6800p	50V	Ceramic	AA
C1551	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1552	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1553	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1554	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1555	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1556	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1557	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1562	VCCCTV1HH561J	J	560p	50V	Ceramic	AA
C1563	VCCCTV1HH151J	J	150p	50V	Ceramic	AA
C1564	VCCCTV1HH151J	J	150p	50V	Ceramic	AA
C1566	VCCCTV1HH271J	J	270p	50V	Ceramic	AA
C1652	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA

Ref. No.	Part No.	★	Description			Code
C2001	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C2002	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2003	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2004	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
			(XG-3910E/E[A])			
C2006	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C2007	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2008	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2009	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2010	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2011	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2012	VCKYTV1HB102K	J	1000p	50V	Ceramic	AA
C2013	VCKYTV1HB102K	J	1000p	50V	Ceramic	AA
C2014	VCKYTV1HB102K	J	1000p	50V	Ceramic	AA
C2015	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2016	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2017	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2018	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2019	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2020	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2021	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2022	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2023	VCKYTV1HB102K	J	1000p	50V	Ceramic	AA
C2024	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2025	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2026	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2027	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2028	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2029	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2030	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2034	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C2035	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C2036	VCCCTV1HH820J	J	82p	50V	Ceramic	AA
C2037	VCCCTV1HH820J	J	82p	50V	Ceramic	AA
C2038	VCCCTV1HH820J	J	82p	50V	Ceramic	AA
C2039	VCCCTV1HH820J	J	82p	50V	Ceramic	AA
C2040	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C2041	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C2044	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2045	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2046	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2047	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2048	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2049	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2050	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2051	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C2052	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C2053	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C2054	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2056	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C2058	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2059	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2060	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
			(XG-3910E/E[A])			
C2061	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
			(XG-3910E/E[A])			

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Ref. No.	Part No.	★	Description			Code
C2063	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2064	VCCCTV1HH151J	J	150p	50V	Ceramic	AA
			(XG-3910E/EA)			
C2065	VCEAGA0JW477M	J	470	6.3V	Electrolytic	AB
C2067	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C2070	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C2071	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C2072	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2073	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2074	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C2601	VCCCTV1HH470J	J	47p	50V	Ceramic	AA
C2602	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA

RESISTORS

Ref. No.	Part No.	★				Code
R601	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R602	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R603	VRS-TV1JD104J	J	100k	1/10W	Metal Oxide	AA
R604	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R605	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R606	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R612	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R613	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R616	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R618	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R619	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R622	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R623	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R624	VRS-TV1JD473J	J	47k	1/10W	Metal Oxide	AA
R625	VRN-TV1JD473D	J	47k	1/10W	Metal Film	AB
R626	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R627	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R628	VRN-TV1JD103D	J	10k	1/10W	Metal Film	AB
R629	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R630	VRN-TV1JD682D	J	6.8k	1/10W	Metal Film	AA
R631	VRN-TV1JD682D	J	6.8k	1/10W	Metal Film	AA
R632	VRN-TV1JD103D	J	10k	1/10W	Metal Film	AB
R633	VRN-TV1JD183D	J	18k	1/10W	Metal Film	AA
R634	VRN-TV1JD103D	J	10k	1/10W	Metal Film	AB
R638	VRN-TV1JD223D	J	22k	1/10W	Metal Film	AB
R639	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R640	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R641	VRS-TV1JD562J	J	5.6k	1/10W	Metal Oxide	AA
R642	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R643	VRS-TV1JD474J	J	470k	1/10W	Metal Oxide	AA
R644	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R803	VRS-TV1JD225J	J	2.2M	1/10W	Metal Oxide	AA
R806	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R807	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R808	VRS-TX2HF121J	J	120	1/2W	Metal Oxide	AB
R809	VRS-TV1JD395J	J	3.9M	1/10W	Metal Oxide	AA
R810	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R811	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R812	VRS-TX2HF101J	J	100	1/2W	Metal Oxide	AA
R813	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R814	VRS-TV1JD822J	J	8.2k	1/10W	Metal Oxide	AA
R815	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R816	VRS-TX2HF270J	J	27	1/2W	Metal Oxide	AB
R817	VRS-TX2HF270J	J	27	1/2W	Metal Oxide	AB
R818	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R819	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R820	VRS-TV1JD824J	J	820k	1/10W	Metal Oxide	AA
R821	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R822	VRS-TV1JD392J	J	3.9k	1/10W	Metal Oxide	AA
R823	VRS-TV1JD682J	J	6.8k	1/10W	Metal Oxide	AA
R824	VRS-TV1JD151J	J	150	1/10W	Metal Oxide	AA
R825	VRS-TV1JD392J	J	3.9k	1/10W	Metal Oxide	AA
R827	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R828	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R829	VRS-TV1JD473J	J	47k	1/10W	Metal Oxide	AA
R830	VRS-TV1JD394J	J	390k	1/10W	Metal Oxide	AA
R831	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R832	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R833	VRS-TV1JD272J	J	2.7k	1/10W	Metal Oxide	AA
R834	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R835	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R836	VRS-TV1JD182J	J	1.8k	1/10W	Metal Oxide	AA
R837	VRS-TV1JD473J	J	47k	1/10W	Metal Oxide	AA
R838	VRS-TV1JD473J	J	47k	1/10W	Metal Oxide	AA
R839	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R841	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R842	VRS-TV1JD821J	J	820	1/10W	Metal Oxide	AA
R843	VRS-TV1JD474J	J	470k	1/10W	Metal Oxide	AA
R844	VRS-TV1JD474J	J	470k	1/10W	Metal Oxide	AA
R845	VRS-TV1JD473J	J	47k	1/10W	Metal Oxide	AA
R846	VRS-TV1JD473J	J	47k	1/10W	Metal Oxide	AA
R847	VRS-TV1JD392J	J	3.9k	1/10W	Metal Oxide	AA
R848	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R849	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R850	VRS-TV1JD224J	J	220k	1/10W	Metal Oxide	AA
R851	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R852	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R854	VRS-TV1JD394J	J	390k	1/10W	Metal Oxide	AA
R855	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R856	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R859	VRS-TV1JD822J	J	8.2k	1/10W	Metal Oxide	AA
R860	VRS-TV1JD392J	J	3.9k	1/10W	Metal Oxide	AA
R861	VRS-TV1JD183J	J	18k	1/10W	Metal Oxide	AA
R862	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R863	VRS-TV1JD104J	J	100k	1/10W	Metal Oxide	AA
R864	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R865	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R866	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R868	VRS-TV1JD271J	J	270	1/10W	Metal Oxide	AA
R870	VRS-TV1JD681J	J	680	1/10W	Metal Oxide	AA
R871	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R872	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R873	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R874	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R875	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA

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Ref. No.	Part No.	★	Description			Code
R876	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R880	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R881	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R882	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R883	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R884	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R885	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R886	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R887	VRS-TV1JD681J	J	680	1/10W	Metal Oxide	AA
R888	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R889	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R890	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R894	VRS-TV1JD821J	J	820	1/10W	Metal Oxide	AA
R895	VRS-TV1JD563J	J	56k	1/10W	Metal Oxide	AA
R897	VRS-TV1JD185J	J	1.8M	1/10W	Metal Oxide	AA
R898	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R899	VRS-TV1JD272J	J	2.7k	1/10W	Metal Oxide	AA
R908	VRS-TX2HF5R6J	J	5.6	1/2W	Metal Oxide	AA
R909	VRS-TX2HF6R8J	J	6.8	1/2W	Metal Oxide	AA
R910	VRS-TV1JD392J	J	3.9k	1/10W	Metal Oxide	AA
R912	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R915	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R916	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R920	VRS-TV1JD562J	J	5.6k	1/10W	Metal Oxide	AA
R1201	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1202	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1203	VRS-TV1JD104J	J	100k	1/10W	Metal Oxide	AA
R1204	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R1209	VRN-VV3LB8R2J	J	8.2	3W	Metal Film	AC
R1210	VRS-SV3AB270J	J	27	1W	Metal Oxide	AC
R1211	VRN-VV3LB2R2J	J	2.2	3W	Metal Film	AC
R1302	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1514	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA
R1515	VRS-TV1JD183J	J	18k	1/10W	Metal Oxide	AA
R1520	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R1521	VRS-TV1JD104J	J	100k	1/10W	Metal Oxide	AA
R1522	VRS-TV1JD104J	J	100k	1/10W	Metal Oxide	AA
R1523	VRS-TV1JD104J	J	100k	1/10W	Metal Oxide	AA
R1524	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1525	VRS-TV1JD104J	J	100k	1/10W	Metal Oxide	AA
R1526	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R1527	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R1528	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1530	VRS-TW2ED5R6J	J	5.6	1/4W	Metal Oxide	AA
R1531	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R1533	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R1535	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1536	VRS-TV1JD273J	J	27k	1/10W	Metal Oxide	AA
R1537	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1538	VRS-TV1JD393J	J	39k	1/10W	Metal Oxide	AA
R1539	*See Control*					
R1540	VRS-TV1JD822J	J	8.2k	1/10W	Metal Oxide	AA
R1541	VRS-TV1JD104J	J	100k	1/10W	Metal Oxide	AA
R1542	VRS-TV1JD473J	J	47k	1/10W	Metal Oxide	AA
R1543	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1544	VRS-TV1JD273J	J	27k	1/10W	Metal Oxide	AA
R1545	VRS-TV1JD104J	J	100k	1/10W	Metal Oxide	AA
R1546	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA
R1547	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R1548	VRS-TV1JD183J	J	18k	1/10W	Metal Oxide	AA
R1550	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA
R1552	VRS-TV1JD474J	J	470k	1/10W	Metal Oxide	AA
R1553	VRS-TV1JD474J	J	470k	1/10W	Metal Oxide	AA
R1554	VRS-TV1JD474J	J	470k	1/10W	Metal Oxide	AA
R1555	VRS-TV1JD474J	J	470k	1/10W	Metal Oxide	AA
R1556	VRS-TV1JD474J	J	470k	1/10W	Metal Oxide	AA
R1557	VRS-TV1JD474J	J	470k	1/10W	Metal Oxide	AA
R1558	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA
R1559	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1560	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1561	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA
R1562	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1563	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1564	VRS-TV1JD473J	J	47k	1/10W	Metal Oxide	AA
R1565	VRS-TV1JD473J	J	47k	1/10W	Metal Oxide	AA
R1566	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA
R1567	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA
R1568	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1569	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA
R1570	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA
R1571	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1572	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1573	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1576	VRS-TV1JD392J	J	3.9k	1/10W	Metal Oxide	AA
R1577	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1578	VRS-TV1JD564J	J	560k	1/10W	Metal Oxide	AA
R1579	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1580	VRS-TV1JD562J	J	5.6k	1/10W	Metal Oxide	AA
R1581	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R1582	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R1583	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R1585	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R1924	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R1925	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R1926	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R2001	VRS-TX2HF5R6J	J	5.6	1/2W	Metal Oxide	AA
R2002	VRN-TV1JD273D	J	27k	1/10W	Metal Film	AB
R2003	VRN-TV1JD472D	J	4.7k	1/10W	Metal Film	AA
R2004	VRS-TV1JD471J	J	470	1/10W	Metal Oxide	AA
R2005	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R2006	VRS-CB1JF223J	J	22k	1/16W	Metal Oxide	AA
R2007	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R2008	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
			(XG-3910E/EⒶ)			
R2009	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R2010	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R2011	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
			(XG-3910E/EⒶ)			
R2012	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
			(XG-3910E/EⒶ)			

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MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R2013	VRS-TV1JD392J	J	3.9k 1/10W Metal Oxide	AA
R2014	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2015	VRS-TV1JD123J	J	12k 1/10W Metal Oxide	AA
R2016	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R2017	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R2018	VRS-TV1JD682J	J	6.8k 1/10W Metal Oxide	AA
R2019	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2020	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R2021	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R2022	VRS-TV1JD222J	J	2.2k 1/10W Metal Oxide	AA
R2023	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R2024	VRS-TV1JD105J	J	1M 1/10W Metal Oxide	AA
R2025	VRS-TV1JD102J	J	1k 1/10W Metal Oxide (XG-3910E/EA)	AA
R2026	VRS-CA1JF223J	J	22k 1/16W Metal Oxide	AA
R2027	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2028	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R2029	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R2030	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R2031	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R2032	VRS-CB1JF223J	J	22k 1/16W Metal Oxide	AA
R2033	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2034	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2035	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R2036	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2037	VRS-TV1JD472J	J	4.7k 1/10W Metal Oxide	AA
R2038	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2039	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2040	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2041	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R2044	VRS-TV1JD472J	J	4.7k 1/10W Metal Oxide	AA
R2045	VRS-TV1JD153J	J	15k 1/10W Metal Oxide	AA
R2046	VRS-TV1JD153J	J	15k 1/10W Metal Oxide	AA
R2047	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2048	VRS-TV1JD683J	J	68k 1/10W Metal Oxide	AA
R2049	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2050	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2051	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2054	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R2056	VRS-TV1JD392J	J	3.9k 1/10W Metal Oxide	AA
R2057	VRN-TV1JD272D	J	2.7k 1/10W Metal Film	AA
R2058	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R2059	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2060	VRS-CA1JF102J	J	1k 1/16W Metal Oxide	AA
R2061	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2062	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R2063	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R2064	VRS-CA1JF102J	J	1k 1/16W Metal Oxide	AA
R2065	VRS-CA1JF102J	J	1k 1/16W Metal Oxide	AA
R2069	VRS-CB1JF101J	J	100 1/16W Metal Oxide (XG-3910E/EA)	AA
R2070	VRS-TV1JD101J	J	100 1/10W Metal Oxide (XG-3910E/EA)	AA
R2071	VRS-CB1JF101J	J	100 1/16W Metal Oxide (XG-3910E/EA)	AA
R2074	VRS-TV1JD103J	J	10k 1/10W Metal Oxide (XG-3910E/EA)	AA
R2075	VRS-TV1JD103J	J	10k 1/10W Metal Oxide (XG-3910E/EA)	AA
R2077	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R2078	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2079	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2080	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2081	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2082	VRS-TV1JD221J	J	220 1/10W Metal Oxide	AA
R2083	VRS-TV1JD821J	J	820 1/10W Metal Oxide	AA
R2084	VRS-TV1JD821J	J	820 1/10W Metal Oxide	AA
R2085	VRS-TV1JD221J	J	220 1/10W Metal Oxide	AA
R2086	VRS-TV1JD821J	J	820 1/10W Metal Oxide	AA
R2087	VRS-TV1JD221J	J	220 1/10W Metal Oxide	AA
R2088	VRS-TV1JD221J	J	220 1/10W Metal Oxide	AA
R2089	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2090	VRS-CB1JF101J	J	100 1/16W Metal Oxide (XG-3910E/EA)	AA
R2091	VRS-CA1JF101J	J	100 1/16W Metal Oxide (XG-3910E/EA)	AA
R2092	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R2093	VRS-TV1JD122J	J	1.2k 1/10W Metal Oxide	AA
R2094	VRS-TX2HF181J	J	180 1/2W Metal Oxide	AA
R2095	VRS-TX2HF181J	J	180 1/2W Metal Oxide	AA
R2096	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2097	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R2098	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R2099	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2101	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R2102	VRS-TV1JD563J	J	56k 1/10W Metal Oxide	AA
R2103	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2104	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2105	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R2106	VRS-TV1JD473J	J	47k 1/10W Metal Oxide	AA
R2108	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2109	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R2110	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2111	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R2112	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2113	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R2114	VRS-TV1JD000J	J	0 1/10W Metal Oxide	AA
R2116	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2117	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2119	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2120	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2121	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R2125	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2127	VRS-TV1JD000J	J	0 1/10W Metal Oxide	AA
R2177	VRS-TV1JD473J	J	47k 1/10W Metal Oxide (XG-3910E/EA)	AA
R2178	VRS-TV1JD473J	J	47k 1/10W Metal Oxide (XG-3910E/EA)	AA

Ref. No.	Part No.	★	Description	Code

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MAIN UNIT (Continued)

R2179	VRS-TV1JD103J	J	10k 1/10W Metal Oxide (XG-3910E/EA)	AA
R2180	VRS-TV1JD102J	J	1k 1/10W Metal Oxide (XG-3910E/EA)	AA
R2181	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2182	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2183	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2184	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R2185	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R2186	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R2187	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2188	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2189	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2190	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2191	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2192	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2193	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2194	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2195	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2196	VRS-TV1JD682J	J	6.8k 1/10W Metal Oxide	AA
R2197	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R2198	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R2201	VRN-TV1JD472D	J	4.7k 1/10W Metal Film	AA
R2202	VRN-TV1JD103D	J	10k 1/10W Metal Film	AB
R2203	VRN-TV1JD562D	J	5.6k 1/10W Metal Film	AA
R2204	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2205	VRS-TV1JD224J	J	220k 1/10W Metal Oxide	AA
R2209	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2210	VRS-TV1JD000J	J	0 1/10W Metal Oxide	AA
R2211	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2212	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2213	VRS-TV1JD000J	J	0 1/10W Metal Oxide	AA
R2214	VRS-TV1JD000J	J	0 1/10W Metal Oxide	AA
R2215	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2216	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R2217	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R2218	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R2219	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R2220	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R2226	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2227	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2228	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2229	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2230	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2231	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R2234	VRS-TX2HF000J	J	0 1/2W Metal Oxide	AA
R2601	VRS-TV1JD682J	J	6.8k 1/10W Metal Oxide	AA
R2602	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R2603	VRS-TV1JD682J	J	6.8k 1/10W Metal Oxide	AA
R2604	VRS-TV1JD472J	J	4.7k 1/10W Metal Oxide	AA
R2605	VRS-TV1JD182J	J	1.8k 1/10W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code

SWITCHES

S2001	QSW-K0076CEZZ	J	ADJ. IN	AB
S2002	QSW-K0076CEZZ	J	CALL	AB

MISCELLANEOUS PARTS

F1201	QFS-J1023CEZZ	J	Fuse	AE
FB801	RBLN-0067CEZZ	J	Ferrite Bead	AC
FB2001	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB2002	RBLN-0060CEZZ	J	Ferrite Bead	AC
J901	QJAKE0008TAZZ	J	Jack DC12V Output	AE
J2001	QJAKJ0044CEZZ	J	Jack Wired R/C Input	AF
P801	QPLGZ1268GEZZ	J	Plug 12-pin (TA)	AD
P802	QPLGZ2228CEZZ	J	Plug 22-pin (CA)	AE
P803	QPLGZ1268GEZZ	J	Plug 12-pin (TB)	AD
P1201	QPLGN0878GEZZ	J	Plug 8-pin (EA)	AC
P1202	QPLGN0378GEZZ	J	Plug 3-pin (D)	AB
P1501	QPLGZ3028CEZZ	J	Plug 30-pin (MA)	AF
P1502	QPLGZ3028CEZZ	J	Plug 30-pin (MB)	AF
P2002	QPLGN1080GEZZ	J	Plug 10-pin (PA) (XG-3910E/EA)	AC
P2004	QPLGN1180GEZZ	J	Plug 11-pin (CM) (XG-3910E/EA)	AC
SC801	QSOCZ0642CEZZ	J	Socket 6-pin	AE
SC1501	QSOCZ0542CEZZ	J	Socket 5-pin	AE
SC2001	QSOCN1038TAZZ	J	Socket 10-pin (KE)	AD
SC2002	QSOCZ6434GEZZ	J	Socket 64-pin IC4101	AG
SC2007	QSOCZ0642CEZZ	J	Socket 6-pin	AE
TP801	QLUGP0103GEFW	J	Lug, Test Point	AA
TP802	QLUGP0103GEFW	J	Lug, Test Point	AA
TP808	QLUGP0103GEFW	J	Lug, Test Point	AA
TP809	QLUGP0103GEFW	J	Lug, Test Point	AA
TP810	QLUGP0103GEFW	J	Lug, Test Point	AA
	LHLDZ1768CEZZ	J	Jack Holder	AC

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CONTROL UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC1601	RH-iX2449CEZZ	J	LCD Control LZ93BE6	AP
IC1602	RH-iX2190CEZZ	J	Data Selector SN74HC157NS (XG-3910E/EA)	AE
IC1603	VHiTHC4040AF1	J	Binary Counter TC74HC4040AF	AH
IC1604	VHiTCHC20F/-1	J	TC74HC20AF	AD
IC1605	VHiTC7S02F/-1	J	NOR TC7S02F	AC
IC1606	VHiTCHC74F/-1	J	D Flip-Flop TC74HC74F	AE
IC1607	VHiTC7S08F/-1	J	TC7S08F	AC
IC1608	VHiMC14053F-1	J	MC14053BFR1 (XG-3910E/EA)	AD
IC1609	VHiNJM2107F-1	J	OP Amp. NJM2107F	AE
IC1610	VHiTC4W53F/-1	J	Switch TC4W53F	AE
IC1611	RH-iX1453CEZZ	J	TC74HC164AF	AF
IC1612	VHiSC7S04F/-1	J	Inverter SC7S04F	AC
IC1613	VHiTC7S04F/-1	J	Inverter TC7S04F (XG-3910E/EA)	AC
IC1614	VHiNJM2904M-1	J	OP Amp. NJM2904M	AE
IC1615	VHiNJ2233BM-1	J	Switch NJM2233BM	AE
IC1617	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC1618	VHiSNHC00NS-1	J	SN74HC00NS	AC
IC1619	VHiPQ09SZ11-1	J	PQ09SZ1U	AG
IC1801	VHiMC14052F-1	J	Sw. Circuit MC14052BFR1	AE
IC1802	VHiMC14052F-1	J	Sw. Circuit MC14052BFR1	AE
IC1803	VHiMC14052F-1	J	Sw. Circuit MC14052BFR1	AE
IC1804	VHiTC4S01F/-1	J	NOR TC4S01F	AC
IC1805	VHiNJM3415M-1	J	OP Amp. NJM3415M	AT
IC1806	VHiNJM3415M-1	J	OP Amp. NJM3415M	AT
IC1807	RH-iX1973CEZZ	J	Buffer SN74HC541NS	AG
IC1808	VHiLT1253CS-1	J	Sub-Tractor LT1253CS8	AT
IC1809	VHiLT1253CS-1	J	Sub-Tractor LT1253CS8	AT
IC1810	VHiLT1253CS-1	J	Sub-Tractor LT1253CS8	AT
IC1811	VHiNJM2060M-1	J	Bias NJM2060M	AE
IC1812	VHiNJM3415M-1	J	Sub-Tractor NJM3415M	AT

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q1605	VS2SC2412KQ-1	J	2SC2412KQ (XG-3910E/EA)	AA
Q1606	VS2SC2412KQ-1	J	2SC2412KQ (XG-3910E/EA)	AA
Q1607	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1608	VSDTC144EK/-1	J	DTC144EK	AB
Q1609	VSDTC144EK/-1	J	DTC144EK	AB
Q1610	VS2SC2735//1E	J	2SC2735	AC
Q1611	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1612	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1614	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1615	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1616	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1617	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1618	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1619	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1801	VSiMX2/////-1	J	iMX2	AB
Q1802	VSiMT2/////-1	J	iMT2	AB
Q1803	VSiMX2/////-1	J	iMX2	AB
Q1804	VSiMT2/////-1	J	iMT2	AB
Q1805	VSiMX2/////-1	J	iMX2	AB
Q1806	VSiMT2/////-1	J	iMT2	AB
Q1807	VSiMX2/////-1	J	iMX2	AB
Q1808	VSiMT2/////-1	J	iMT2	AB
Q1809	VSiMX2/////-1	J	iMX2	AB
Q1810	VSiMT2/////-1	J	iMT2	AB
Q1811	VSiMX2/////-1	J	iMX2	AB
Q1812	VSiMT2/////-1	J	iMT2	AB
Q1813	VSDTC144EK/-1	J	DTC144EK (XG-3910E/EA)	AB
Q1814	VSDTC144EK/-1	J	DTC144EK	AB
Q1815	VSiMX2/////-1	J	iMX2	AB
Q1816	VSiMX2/////-1	J	iMX2	AB
Q1817	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1818	VSiMX2/////-1	J	iMX2	AB
Q1819	VSiMX2/////-1	J	iMX2	AB
Q1820	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1821	VSiMX2/////-1	J	iMX2	AB
Q1822	VSiMX2/////-1	J	iMX2	AB
Q1823	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1824	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1825	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q1826	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1827	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q1828	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1829	VS2SA1037KQ-1	J	2SA1037KQ	AA

DIODES

Ref. No.	Part No.	★	Description	Code
D1602	VHD1SV217//-1	J	Diode 1SV217	AB
D1604	RH-EX0551CEZZ	J	Zener Diode	AB
D1605	VHDMA152WK/-1	J	Diode MA152WK	AA
D1606	RH-EX0227CEZZ	J	Zener Diode	AB
D1607	VHDMA152WK/-1	J	Diode MA152WK	AA
D1801	VHDMA152WK/-1	J	Diode MA152WK	AA
D1802	VHDMA152WK/-1	J	Diode MA152WK	AA
D1803	VHDMA152WK/-1	J	Diode MA152WK	AA
D1804	VHDMA152WK/-1	J	Diode MA152WK	AA
D1805	VHDMA152WK/-1	J	Diode MA152WK	AA
D1806	VHDMA152WK/-1	J	Diode MA152WK	AA

COILS

Ref. No.	Part No.	★	Description	Code
L1601	RCiLB0077CEZZ	J	Oscillation Coil	AL
L1602	VP-MK150K0000	J	Peaking Coil 15µH	AB
L1603	VP-MK220K0000	J	Peaking Coil 22µH	AB
L1604	VP-MK220K0000	J	Peaking Coil 22µH	AB
L1605	VP-MK220K0000	J	Peaking Coil 22µH	AB
L1801	RCiLP0168TAZZ	J	Coil	AF
L1802	RCiLP0168TAZZ	J	Coil	AF
L1803	VP-MK220K0000	J	Peaking Coil 22µH	AB
L1804	VP-MK220K0000	J	Peaking Coil 22µH	AB

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CONTROL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
L1805	VP-MK220K0000	J	Peaking Coil 22µH	AB
L1806	VP-MK220K0000	J	Peaking Coil 22µH	AB
L1807	VP-MK220K0000	J	Peaking Coil 22µH	AB
L1808	VP-MK220K0000	J	Peaking Coil 22µH	AB
L1809	VP-MK220K0000	J	Peaking Coil 22µH	AB

CONTROLS

R1603	RVR-M8003TAZZ	J	10k(B) H-Position	AC
R1650	RVR-M8007TAZZ	J	47k(B) Colour Shade	AC
R1801	RVR-M8000TAZZ	J	3.3k(B) Common Bias-R	AB
R1802	RVR-M8000TAZZ	J	3.3k(B) Common Bias-G	AB
R1803	RVR-M8000TAZZ	J	3.3k(B) Common Bias-B	AB
R1935	RVR-M7995TAZZ	J	470(B) CLK Phase (XG-3910E/EA)	AD
R1940	RVR-M7995TAZZ	J	470(B) CLK Phase (XG-3910E/EA)	AD
R1945	RVR-M7995TAZZ	J	470(B) CLK Phase (XG-3910E/EA)	AD
R1958	RVR-M8003TAZZ	J	10k(B) White Balance-B	AC
R1963	RVR-M8003TAZZ	J	10k(B) Sub-Bias	AC
R1970	RVR-M8003TAZZ	J	10k(B) White Balance-R	AC
R1978	RVR-M8003TAZZ	J	10k(B) Gamma Correct	AC
R1989	RVR-M8003TAZZ	J	10k(B) Gamma Correct	AC

CAPACITORS

C1401	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1402	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1403	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1404	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1405	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1406	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1407	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1408	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1409	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1411	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1414	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1417	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1419	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1420	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1421	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C1422	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C1562	VCCCTV1HH560J	J	56p	50V	Ceramic	AA
C1601	VCCCTV1HH391J	J	390p	50V	Ceramic	AA
C1602	VCEAGA1EW475M	J	4.7	25V	Electrolytic	AA
C1603	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1604	VCCCTV1HH221J	J	220p	50V	Ceramic	AA
C1605	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1606	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1607	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1608	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1609	VCKYTV1HB103K	J	0.01 (XG-3910E/EA)	50V	Ceramic	AA
C1610	VCCCTV1HH151J	J	150p (XG-3910E/EA)	50V	Ceramic	AA
C1611	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C1612	VCQYTA1HM563J	J	0.056	50V	Mylar	AB
C1613	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1614	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1615	VCE9GA1HW105M	J	1	50V	Elect. (N.P)	AB
C1617	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C1618	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1619	VCCCTV1HH561J	J	560p	50V	Ceramic	AA
C1620	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1621	VCCCTV1HH151J	J	150p	50V	Ceramic	AA
C1622	VCCCTV1HH151J	J	150p	50V	Ceramic	AA
C1623	VCCCTV1HH561J	J	560p	50V	Ceramic	AA
C1624	VCCCTV1HH470J	J	47p	50V	Ceramic	AA
C1625	VCCCTV1HH100D	J	10p	50V	Ceramic	AA
C1626	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1627	VCCCTV1HH221J	J	220p	50V	Ceramic	AA
C1628	VCEAPK0JN227M	J	220	6.3V	Electrolytic	AD
C1629	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1631	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1632	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1633	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1634	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1635	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1636	VCQYTA1HM223J	J	0.022	50V	Mylar	AA
C1637	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1638	VCCCTV1HH221J	J	220p	50V	Ceramic	AA
C1639	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1640	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C1641	VCEAPK0JN227M	J	220	6.3V	Electrolytic	AD
C1646	VCCCTV1HH120J	J	12p	50V	Ceramic	AA
C1647	VCCCTV1HH220J	J	22p (XG-3910E/EA)	50V	Ceramic	AA
C1648	VCCCTV1HH220J	J	22p (XG-3910E/EA)	50V	Ceramic	AA
C1649	VCCCTV1HH220J	J	22p (XG-3910E/EA)	50V	Ceramic	AA
C1650	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1653	VCE9GA1CW106M	J	10	16V	Elect. (N.P)	AB
C1654	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1655	VCFRED1HM332J	J	3300p	50V	Mylar	AD
C1656	VCFRED1HM332J	J	3300p	50V	Mylar	AD
C1657	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C1803	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1804	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1805	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1806	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C1807	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1808	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1809	VCEAPF1EW106M	J	10	25V	Electrolytic	AB
C1810	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1811	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1812	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1813	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1814	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1815	VCEAGA1AW107M	J	100	10V	Electrolytic	AB

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Ref. No.	Part No.	★	Description	Code
C1817	VCEAGA1EW106M	J 10	25V Electrolytic	AB
C1818	VCKYTV1EF104Z	J 0.1	25V Ceramic	AB
C1819	VCKYTV1EF104Z	J 0.1	25V Ceramic	AB
C1820	VCEAGA1CW106M	J 10	16V Electrolytic	AA
C1822	VCKYTV1EF104Z	J 0.1	25V Ceramic	AB
C1823	VCEAGA1AW107M	J 100	10V Electrolytic	AB
C1824	VCKYTV1EF104Z	J 0.1	25V Ceramic	AB
C1825	VCEAPF1CW107M	J 100	16V Electrolytic	AD
C1826	VCEAGA1EW106M	J 10	25V Electrolytic	AB
C1827	VCKYTV1EF104Z	J 0.1	25V Ceramic	AB
C1828	VCKYTV1EF104Z	J 0.1	25V Ceramic	AB
C1829	VCEAGA1CW106M	J 10	16V Electrolytic	AA
C1833	VCEAGA1CW227M	J 220	16V Electrolytic	AC
C1835	VCKYTV1HB103K	J 0.01	50V Ceramic	AA
C1841	VCKYTV1HB103K	J 0.01	50V Ceramic	AA
C1843	VCKYTV1HB103K	J 0.01	50V Ceramic	AA
C1844	VCKYTV1HB103K	J 0.01	50V Ceramic	AA
C1846	VCE9GA1HW105M	J 1	50V Elect. (N.P)	AB
C1848	VCE9GA1HW105M	J 1	50V Elect. (N.P)	AB
C1849	VCKYTV1HB103K	J 0.01	50V Ceramic	AA
C1850	VCE9GA1HW105M	J 1	50V Elect. (N.P)	AB
C1857	VCEAGA1CW477M	J 470	16V Electrolytic	AC
C1859	VCEAGA1CW227M	J 220	16V Electrolytic	AC
C1878	VCEAGA1CW476M	J 47	16V Electrolytic	AB
C1879	VCKYTV1HB103K	J 0.01	50V Ceramic	AA
		(XG-3910E/E[A])		
C1901	VCEAGA0JW107M	J 100	6.3V Electrolytic	AB
C1902	VCKYTV1HB103K	J 0.01	50V Ceramic	AA
C1903	VCEAGA1CW106M	J 10	16V Electrolytic	AA
C1904	VCKYTV1EF104Z	J 0.1	25V Ceramic	AB
C1905	VCEAGA1CW106M	J 10	16V Electrolytic	AA
C1906	VCKYTV1EF104Z	J 0.1	25V Ceramic	AB
C1908	VCKYTV1HB103K	J 0.01	50V Ceramic	AA
C1909	VCKYTV1HB103K	J 0.01	50V Ceramic	AA
C1910	VCKYTV1HB103K	J 0.01	50V Ceramic	AA
C2062	VCKYTV1EF104Z	J 0.1	25V Ceramic	AB
C2068	VCKYTV1EF104Z	J 0.1	25V Ceramic	AB

RESISTORS

R1401	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1402	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1403	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1404	VRS-TV1JD102J	J 1k	1/10W	Metal Oxide	AA
R1405	VRS-TV1JD102J	J 1k	1/10W	Metal Oxide	AA
R1406	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1407	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1408	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1409	VRS-TV1JD102J	J 1k	1/10W	Metal Oxide	AA
R1410	VRS-TV1JD102J	J 1k	1/10W	Metal Oxide	AA
R1411	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1412	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1413	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1414	VRS-TV1JD102J	J 1k	1/10W	Metal Oxide	AA
R1415	VRS-TV1JD102J	J 1k	1/10W	Metal Oxide	AA
R1416	VRS-TV1JD102J	J 1k	1/10W	Metal Oxide	AA
R1417	VRN-TV1JD562D	J 5.6k	1/10W	Metal Film	AA
R1418	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1419	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1420	VRN-TV1JD332D	J 3.3k	1/10W	Metal Film	AA
R1421	VRS-TV1JD102J	J 1k	1/10W	Metal Oxide	AA
R1422	VRN-TV1JD562D	J 5.6k	1/10W	Metal Film	AA
R1423	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1424	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1425	VRN-TV1JD332D	J 3.3k	1/10W	Metal Film	AA
R1426	VRS-TV1JD102J	J 1k	1/10W	Metal Oxide	AA
R1427	VRN-TV1JD562D	J 5.6k	1/10W	Metal Film	AA
R1428	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1429	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1430	VRN-TV1JD332D	J 3.3k	1/10W	Metal Film	AA
R1431	VRN-TV1JD122D	J 1.2k	1/10W	Metal Film	AA
R1432	VRN-TV1JD272D	J 2.7k	1/10W	Metal Film	AA
R1433	VRN-TV1JD122D	J 1.2k	1/10W	Metal Film	AA
R1434	VRN-TV1JD272D	J 2.7k	1/10W	Metal Film	AA
R1435	VRN-TV1JD122D	J 1.2k	1/10W	Metal Film	AA
R1436	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1437	VRN-TV1JD332D	J 3.3k	1/10W	Metal Film	AA
R1438	VRN-TV1JD332D	J 3.3k	1/10W	Metal Film	AA
R1439	VRN-TV1JD332D	J 3.3k	1/10W	Metal Film	AA
R1440	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1441	VRN-TV1JD332D	J 3.3k	1/10W	Metal Film	AA
R1442	VRN-TV1JD332D	J 3.3k	1/10W	Metal Film	AA
R1443	VRN-TV1JD332D	J 3.3k	1/10W	Metal Film	AA
R1444	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1445	VRN-TV1JD332D	J 3.3k	1/10W	Metal Film	AA
R1446	VRN-TV1JD332D	J 3.3k	1/10W	Metal Film	AA
R1447	VRN-TV1JD332D	J 3.3k	1/10W	Metal Film	AA
R1448	VRS-TV1JD391J	J 390	1/10W	Metal Oxide	AA
R1449	VRS-TV1JD391J	J 390	1/10W	Metal Oxide	AA
R1450	VRS-TV1JD391J	J 390	1/10W	Metal Oxide	AA
R1451	VRS-TV1JD391J	J 390	1/10W	Metal Oxide	AA
R1452	VRS-TV1JD391J	J 390	1/10W	Metal Oxide	AA
R1453	VRS-TV1JD391J	J 390	1/10W	Metal Oxide	AA
R1454	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1455	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1456	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1457	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1458	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1459	VRS-TV1JD101J	J 100	1/10W	Metal Oxide	AA
R1460	VRN-TV1JD182D	J 1.8k	1/10W	Metal Film	AA
R1461	VRN-TV1JD682D	J 6.8k	1/10W	Metal Film	AA
R1462	VRN-TV1JD182D	J 1.8k	1/10W	Metal Film	AA
R1603	*See Controls*				
R1604	VRS-TV1JD471J	J 470	1/10W	Metal Oxide	AA
R1606	VRS-TV1JD471J	J 470	1/10W	Metal Oxide	AA
R1607	VRS-TV1JD471J	J 470	1/10W	Metal Oxide	AA
R1608	VRS-TV1JD471J	J 470	1/10W	Metal Oxide	AA
R1609	VRS-TV1JD471J	J 470	1/10W	Metal Oxide	AA
R1610	VRS-TV1JD104J	J 100k	1/10W	Metal Oxide	AA
R1611	VRS-TV1JD471J	J 470	1/10W	Metal Oxide	AA

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Ref. No.	Part No.	★	Description	Code
R1612	VRS-TV1JD471J	J	470 1/10W Metal Oxide	AA
R1613	VRS-TV1JD471J	J	470 1/10W Metal Oxide	AA
R1614	VRS-TV1JD471J	J	470 1/10W Metal Oxide	AA
R1615	VRS-TV1JD471J	J	470 1/10W Metal Oxide	AA
R1616	VRS-TV1JD471J	J	470 1/10W Metal Oxide	AA
R1617	VRS-TV1JD105J	J	1M 1/10W Metal Oxide	AA
R1618	VRS-TV1JD471J	J	470 1/10W Metal Oxide	AA
R1619	VRS-TV1JD471J	J	470 1/10W Metal Oxide	AA
R1622	VRS-TV1JD222J	J	2.2k 1/10W Metal Oxide	AA
R1623	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R1624	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R1625	VRS-TV1JD562J	J	5.6k 1/10W Metal Oxide	AA
R1626	VRS-TV1JD562J	J	5.6k 1/10W Metal Oxide	AA
R1627	VRS-TV1JD562J	J	5.6k 1/10W Metal Oxide	AA
R1629	VRS-TX2HF121J	J	120 1/2W Metal Oxide	AB
R1630	VRS-TX2HF121J	J	120 1/2W Metal Oxide	AB
R1631	VRS-TV1JD472J	J	4.7k 1/10W Metal Oxide (XG-3910E/EA)	AA
R1632	VRS-TV1JD682J	J	6.8k 1/10W Metal Oxide (XG-3910E/EA)	AA
R1633	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R1634	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R1635	VRS-TV1JD471J	J	470 1/10W Metal Oxide	AA
R1637	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R1638	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R1639	VRS-TV1JD561J	J	560 1/10W Metal Oxide (XG-3910E/EA)	AA
R1640	VRS-TV1JD331J	J	330 1/10W Metal Oxide	AA
R1641	VRS-TV1JD471J	J	470 1/10W Metal Oxide (XG-3910E/EA)	AA
R1642	VRS-TV1JD472J	J	4.7k 1/10W Metal Oxide (XG-3910E/EA)	AA
R1643	VRS-TV1JD101J	J	100 1/10W Metal Oxide (XG-3910E/EA)	AA
R1644	VRS-TV1JD103J	J	10k 1/10W Metal Oxide (XG-3910E/EA)	AA
R1645	VRS-TV1JD562J	J	5.6k 1/10W Metal Oxide (XG-3910E/EA)	AA
R1646	VRS-TV1JD562J	J	5.6k 1/10W Metal Oxide (XG-3910E/EA)	AA
R1647	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R1648	VRS-TV1JD562J	J	5.6k 1/10W Metal Oxide	AA
R1649	VRS-TV1JD123J	J	12k 1/10W Metal Oxide	AA
R1650	*See Controls*			
R1651	VRS-TV1JD823J	J	82k 1/10W Metal Oxide	AA
R1652	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1653	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R1654	VRS-TV1JD273J	J	27k 1/10W Metal Oxide	AA
R1655	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1656	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1657	VRS-TV1JD331J	J	330 1/10W Metal Oxide	AA
R1658	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R1659	VRS-TV1JD331J	J	330 1/10W Metal Oxide	AA
R1660	VRS-TV1JD560J	J	56 1/10W Metal Oxide	AA
R1661	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R1662	VRS-TV1JD000J	J	0 1/10W Metal Oxide (XV-3410S)	AA
R1663	VRS-TV1JD000J	J	0 1/10W Metal Oxide (XV-3410S)	AA
R1664	VRS-TV1JD472J	J	4.7k 1/10W Metal Oxide	AA
R1665	VRS-TV1JD683J	J	68k 1/10W Metal Oxide	AA
R1666	VRS-TV1JD472J	J	4.7k 1/10W Metal Oxide	AA
R1667	VRS-TV1JD473J	J	47k 1/10W Metal Oxide	AA
R1668	VRS-TV1JD105J	J	1M 1/10W Metal Oxide	AA
R1669	VRS-TV1JD183J	J	18k 1/10W Metal Oxide	AA
R1670	VRS-TV1JD823J	J	82k 1/10W Metal Oxide	AA
R1671	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R1672	VRS-TV1JD391J	J	390 1/10W Metal Oxide	AA
R1673	VRS-TV1JD472J	J	4.7k 1/10W Metal Oxide	AA
R1674	VRS-TV1JD332J	J	3.3k 1/10W Metal Oxide	AA
R1675	VRS-TV1JD181J	J	180 1/10W Metal Oxide	AA
R1676	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R1677	VRS-TV1JD272J	J	2.7k 1/10W Metal Oxide	AA
R1678	VRS-TV1JD682J	J	6.8k 1/10W Metal Oxide	AA
R1679	VRS-TV1JD472J	J	4.7k 1/10W Metal Oxide	AA
R1680	VRS-TV1JD471J	J	470 1/10W Metal Oxide	AA
R1681	VRS-TV1JD471J	J	470 1/10W Metal Oxide	AA
R1682	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R1683	VRS-TV1JD472J	J	4.7k 1/10W Metal Oxide	AA
R1684	VRS-TV1JD682J	J	6.8k 1/10W Metal Oxide	AA
R1688	VRS-TW2ED151J	J	150 1/4W Metal Oxide	AA
R1689	VRS-TV1JD750J	J	75 1/10W Metal Oxide	AA
R1690	VRS-TW2ED151J	J	150 1/4W Metal Oxide	AA
R1691	VRS-TV1JD750J	J	75 1/10W Metal Oxide	AA
R1692	VRS-TW2ED151J	J	150 1/4W Metal Oxide	AA
R1693	VRS-TV1JD750J	J	75 1/10W Metal Oxide	AA
R1696	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1697	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1698	VRS-TV1JD561J	J	560 1/10W Metal Oxide (XG-3910E/EA)	AA
R1699	VRS-TV1JD151J	J	150 1/10W Metal Oxide	AA
R1801	*See Controls*			
R1802	*See Controls*			
R1803	*See Controls*			
R1804	VRS-TV1JD6R8J	J	6.8 1/10W Metal Oxide	AA
R1805	VRS-TV1JD472J	J	4.7k 1/10W Metal Oxide	AA
R1806	VRS-TW2ED562J	J	5.6k 1/4W Metal Oxide	AB
R1807	VRS-TX2HF100J	J	10 1/2W Metal Oxide	AA
R1808	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R1809	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R1810	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1811	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1812	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1813	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1814	VRS-TW2ED5R6J	J	5.6 1/4W Metal Oxide	AA
R1815	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R1817	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R1818	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R1819	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA

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Ref. No.	Part No.	★	Description	Code
R1820	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1821	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1822	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1823	VRS-TW2ED5R6J	J	5.6 1/4W Metal Oxide	AA
R1824	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R1826	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R1827	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R1828	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1829	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1830	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1831	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1832	VRS-TW2ED5R6J	J	5.6 1/4W Metal Oxide	AA
R1833	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R1835	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R1836	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R1837	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1838	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1839	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1840	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1841	VRS-TW2ED5R6J	J	5.6 1/4W Metal Oxide	AA
R1842	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1843	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1844	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R1845	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R1846	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1847	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1848	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1849	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1850	VRS-TW2ED5R6J	J	5.6 1/4W Metal Oxide	AA
R1851	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1852	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1853	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R1854	VRS-TW2ED222J	J	2.2k 1/4W Metal Oxide	AA
R1855	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1856	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1857	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1858	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1859	VRS-TW2ED5R6J	J	5.6 1/4W Metal Oxide	AA
R1860	VRS-TX2HF100J	J	10 1/2W Metal Oxide	AA
R1862	VRS-TV1JD102J	J	1k 1/10W Metal Oxide (XG-3910E/EA)	AA
R1863	VRS-TV1JD472J	J	4.7k 1/10W Metal Oxide	AA
R1865	VRS-TV1JD100J	J	10 1/10W Metal Oxide	AA
R1866	VRS-TV1JD105J	J	1M 1/10W Metal Oxide (XG-3910E/EA)	AA
R1866	VRS-TV1JD000J	J	0 1/10W Metal Oxide (XV-3410S)	AA
R1867	VRS-TV1JD105J	J	1M 1/10W Metal Oxide (XG-3910E/EA)	AA
R1867	VRS-TV1JD000J	J	0 1/10W Metal Oxide (XV-3410S)	AA
R1868	VRS-TV1JD333J	J	33k 1/10W Metal Oxide	AA
R1869	VRS-TV1JD333J	J	33k 1/10W Metal Oxide	AA
R1870	VRS-TV1JD333J	J	33k 1/10W Metal Oxide	AA
R1871	VRS-TV1JD333J	J	33k 1/10W Metal Oxide	AA
R1872	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1873	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1874	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1875	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1876	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1877	VRS-TV1JD105J	J	1M 1/10W Metal Oxide (XG-3910E/EA)	AA
R1877	VRS-TV1JD000J	J	0 1/10W Metal Oxide (XV-3410S)	AA
R1878	VRS-TV1JD105J	J	1M 1/10W Metal Oxide (XG-3910E/EA)	AA
R1878	VRS-TV1JD000J	J	0 1/10W Metal Oxide (XV-3410S)	AA
R1879	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1880	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1881	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R1882	VRS-TV1JD105J	J	1M 1/10W Metal Oxide (XG-3910E/EA)	AA
R1882	VRS-TV1JD000J	J	0 1/10W Metal Oxide (XV-3410S)	AA
R1883	VRS-TV1JD105J	J	1M 1/10W Metal Oxide (XG-3910E/EA)	AA
R1883	VRS-TV1JD000J	J	0 1/10W Metal Oxide (XV-3410S)	AA
R1884	VRS-TV1JD822J	J	8.2k 1/10W Metal Oxide	AA
R1885	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R1886	VRS-TV1JD332J	J	3.3k 1/10W Metal Oxide	AA
R1887	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R1888	VRS-TV1JD822J	J	8.2k 1/10W Metal Oxide	AA
R1889	VRS-TV1JD6R8J	J	6.8 1/10W Metal Oxide	AA
R1890	VRS-TV1JD332J	J	3.3k 1/10W Metal Oxide	AA
R1891	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R1892	VRS-TV1JD822J	J	8.2k 1/10W Metal Oxide	AA
R1893	VRS-TV1JD6R8J	J	6.8 1/10W Metal Oxide	AA
R1894	VRS-TV1JD332J	J	3.3k 1/10W Metal Oxide	AA
R1895	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R1896	VRS-TV1JD333J	J	33k 1/10W Metal Oxide	AA
R1897	VRS-TV1JD333J	J	33k 1/10W Metal Oxide	AA
R1898	VRS-TV1JD333J	J	33k 1/10W Metal Oxide	AA
R1899	VRS-TV1JD822J	J	8.2k 1/10W Metal Oxide	AA
R1901	VRS-TV1JD101J	J	100 1/10W Metal Oxide (XG-3910E/EA)	AA
R1902	VRS-TV1JD101J	J	1k 1/10W Metal Oxide (XG-3910E/EA)	AA
R1903	VRS-TV1JD101J	J	1k 1/10W Metal Oxide (XG-3910E/EA)	AA
R1904	VRS-TV1JD102J	J	1k 1/10W Metal Oxide (XG-3910E/EA)	AA
R1905	VRS-TV1JD151J	J	150 1/10W Metal Oxide (XG-3910E/EA)	AA
R1910	VRS-TV1JD000J	J	0 1/10W Metal Oxide (XV-3410S)	AA
R1914	VRS-TV1JD000J	J	0 1/10W Metal Oxide (XV-3410S)	AA

Ref. No.	Part No.	★	Description	Code

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CONTROL UNIT (Continued)

R1915	VRS-TV1JD000J	J	0 (XV-3410S)	1/10W	Metal Oxide	AA
R1916	VRS-TV1JD000J	J	0 (XV-3410S)	1/10W	Metal Oxide	AA
R1917	VRS-TV1JD000J	J	0 (XV-3410S)	1/10W	Metal Oxide	AA
R1918	VRS-TV1JD000J	J	0 (XV-3410S)	1/10W	Metal Oxide	AA
R1922	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R1929	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R1931	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1932	VRS-TV1JD272J	J	2.7k	1/10W	Metal Oxide	AA
R1933	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R1934	VRS-TV1JD221J	J	220 (XG-3910E/EA)	1/10W	Metal Oxide	AA
R1935	*See Controls*		(XG-3910E/EA)			
R1936	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R1937	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R1938	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R1939	VRS-TV1JD221J	J	220 (XG-3910E/EA)	1/10W	Metal Oxide	AA
R1940	*See Controls*		(XG-3910E/EA)			
R1941	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R1942	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R1943	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R1944	VRS-TV1JD221J	J	220 (XG-3910E/EA)	1/10W	Metal Oxide	AA
R1945	*See Controls*		(XG-3910E/EA)			
R1946	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R1947	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R1949	VRG-RF2HB2R2J	J	2.2	1/2W	Fuse Resistor	AB
R1953	VRS-TV1JD824J	J	820k	1/10W	Metal Oxide	AA
R1954	VRS-TV1JD000J	J	0 (XG-3910E/EA)	1/10W	Metal Oxide	AA
R1955	VRN-TV1JD182D	J	1.8k	1/10W	Metal Film	AA
R1956	VRN-TV1JD182D	J	1.8k	1/10W	Metal Film	AA
R1957	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1958	*See Controls*					
R1959	VRS-TV1JD183J	J	18k	1/10W	Metal Oxide	AA
R1962	VRS-TV1JD183J	J	18k	1/10W	Metal Oxide	AA
R1963	*See Controls*					
R1964	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R1965	VRN-TV1JD182D	J	1.8k	1/10W	Metal Film	AA
R1966	VRN-TV1JD182D	J	1.8k	1/10W	Metal Film	AA
R1967	VRN-TV1JD273D	J	27k	1/10W	Metal Film	AB
R1968	VRN-TV1JD333D	J	33k	1/10W	Metal Film	AA
R1969	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R1970	*See Controls*					
R1971	VRS-TV1JD183J	J	18k	1/10W	Metal Oxide	AA
R1972	VRN-TV1JD182D	J	1.8k	1/10W	Metal Film	AA
R1973	VRN-TV1JD182D	J	1.8k	1/10W	Metal Film	AA
R1976	VRN-TV1JD272D	J	2.7k	1/10W	Metal Film	AA
R1977	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R1978	*See Controls*					
R1979	VRS-TV1JD822J	J	8.2k	1/10W	Metal Oxide	AA
R1988	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R1989	*See Controls*					
R1990	VRS-TV1JD822J	J	8.2k	1/10W	Metal Oxide	AA
R1994	VRN-TV1JD472D	J	4.7k	1/10W	Metal Film	AA
R1995	VRS-SV3AB330J	J	33	1W	Metal Oxide	AC
R1996	VRN-TV1JD472D	J	4.7k	1/10W	Metal Film	AA
R1997	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R1998	VRS-TV1JD392J	J	3.9k	1/10W	Metal Oxide	AA
R1999	VRS-TV1JD392J	J	3.9k	1/10W	Metal Oxide	AA

SWITCH

S1601	QSW-K0065GEZZ	J	Mute Switch	AC

MISCELLANEOUS PARTS

FB1802	RBLN-0060CEZZ	J	Ferrite Bead	AC
P1301	QPLGN0578GEZZ	J	Plug 5-pin (AS)	AB
P1302	QPLGN0478GEZZ	J	Plug 4-pin (AZ)	AB
P1601	QPLGN0678GEZZ	J	Plug 6-pin (MF) (XG-3910E/EA)	AB
P1602	QPLGN0778GEZZ	J	Plug 7-pin (PD) (XG-3910E/EA)	AC
P1603	QPLGN0278GEZZ	J	Plug 2-pin TP3	AA
P1604	QPLGN0878GEZZ	J	Plug 8-pin	AC
P1801	QPLGN0190FJZZ	J	Plug 24-pin (R)	AG
P1802	QPLGN0190FJZZ	J	Plug 24-pin (G)	AG
P1803	QPLGN0190FJZZ	J	Plug 24-pin (B)	AG
P1804	QPLGN1278GEZZ	J	Plug 12-pin (MG) (XG-3910E/EA)	AC
P1901	QPLGN0378GEZZ	J	Plug 3-pin	AB
P2001	QPLGN1078GEZZ	J	Plug 10-pin (LE)	AC
P2003	QPLGN1178GEZZ	J	Plug 11-pin (LC)	AC
P2008	QPLGN0278GEZZ	J	Plug 2-pin (Q)	AA
P2009	QPLGN0278GEZZ	J	Plug 2-pin	AA
SC1601	QSOCZ3028CEZZ	J	Socket 30-pin (MA)	AF
SC1602	QSOCZ3028CEZZ	J	Socket 30-pin (MB)	AF

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MODEL XG-3910E/EA VGA AMP UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC3001	VHiLM1203N/-1	J	Video Amp.	AW
IC3002	VHiLM1203N/-1	J	Video Amp.	AW
IC3003	VHiNJ2233BM-1	J	Switch	AE
IC3004	VHiNJM2904M-1	J	OP Amp.	AE
IC3005	VHiNJM2904M-1	J	OP Amp.	AE
IC3006	VHiSNHC86NS-1	J	EXOR	AE
IC3007	VHiNJM2902M-1	J	OP Amp.	AF
IC3008	VHiLM6182iM-1	J	OP Amp.	AT
IC3010	VHiLM6182iM-1	J	OP Amp.	AT
IC3012	VHiLM6182iM-1	J	OP Amp.	AT
IC3014	VHiNJM3415M-1	J	NJM3415M	AT
IC3015	VHiTA79010S-1	J	TA79010S	AE

TRANSISTORS

Q3001	VSiMX2/////-1	J	iMX2	AB
Q3002	VSiMT2/////-1	J	iMT2	AB
Q3003	VSiMX2/////-1	J	iMX2	AB
Q3004	VSiMT2/////-1	J	iMT2	AB
Q3005	VSiMX2/////-1	J	iMX2	AB
Q3006	VSiMT2/////-1	J	iMT2	AB
Q3007	VSiMX2/////-1	J	iMX2	AB
Q3008	VSiMT2/////-1	J	iMT2	AB
Q3009	VSiMX2/////-1	J	iMX2	AB
Q3010	VSiMT2/////-1	J	iMT2	AB
Q3011	VSiMX2/////-1	J	iMX2	AB
Q3012	VSiMT2/////-1	J	iMT2	AB
Q3101	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q3102	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q3103	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q3104	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q3105	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q3106	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q3301	VS2SC2412KQ-1	J	2SC2412KQ	AA

DIODES

D3101	VHDMA152WK/-1	J	Diode MA152WK	AA
D3102	VHDMA152WK/-1	J	Diode MA152WK	AA
D3103	VHDMA152WK/-1	J	Diode MA152WK	AA
D3104	VHDMA152WK/-1	J	Diode MA152WK	AA
D3105	VHDMA152WK/-1	J	Diode MA152WK	AA
D3106	VHDMA152WK/-1	J	Diode MA152WK	AA
D3107	RH-EX0497CEZZ	J	Zener Diode 3.3V	AC
D3108	RH-EX0497CEZZ	J	Zener Diode 3.3V	AC
D3109	RH-EX0497CEZZ	J	Zener Diode 3.3V	AC

COILS

CF3101	RFiLN0080GEZZ	J	Ceramic Filter	AD
CF3102	RFiLN0080GEZZ	J	Ceramic Filter	AD
CF3103	RFiLN0080GEZZ	J	Ceramic Filter	AD
CF3104	RFiLN0080GEZZ	J	Ceramic Filter	AD
CF3105	RFiLN0080GEZZ	J	Ceramic Filter	AD
CF3106	RFiLN0080GEZZ	J	Ceramic Filter	AD
L3101	RCiLC0055CEZZ	J	Coil	AD
L3102	RCiLC0055CEZZ	J	Coil	AD
L3201	RCiLC0055CEZZ	J	Coil	AD

CONTROLS

R3049	RVR-M7994TAZZ	J	330(B)	VGA Gain-B	AB
R3052	RVR-M7994TAZZ	J	330(B)		AB
R3055	RVR-M7994TAZZ	J	330(B)	VGA Gain-R	AB
R3062	RVR-M8003TAZZ	J	10k(B)	VGA Bright-R	AC
R3063	RVR-M8003TAZZ	J	10k(B)	VGA Bright-G	AC
R3064	RVR-M8003TAZZ	J	10k(B)	VGA Bright-B	AC
R3202	RVR-M8003TAZZ	J	10k(B)	VGA Bias-G	AC
R3205	RVR-M8003TAZZ	J	10k(B)	VGA Bias-B	AC
R3213	RVR-M8003TAZZ	J	10k(B)	VGA Bias-R	AC
R3252	RVR-M7994TAZZ	J	330(B)	VGA Gain-G	AB
R3313	RVR-M8007TAZZ	J	47k(B)	Colour Shade	AC

CAPACITORS

C3001	VCE9GA1HW106M	J	10	50V	Elect. (N.P)	AB
C3002	VCE9GA1HW106M	J	10	50V	Elect. (N.P)	AB
C3003	VCE9GA1HW106M	J	10	50V	Elect. (N.P)	AB
C3004	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C3005	VCE9GA1HW106M	J	10	50V	Elect. (N.P)	AB
C3006	VCE9GA1HW106M	J	10	50V	Elect. (N.P)	AB
C3007	VCE9GA1HW106M	J	10	50V	Elect. (N.P)	AB
C3008	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C3011	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3012	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3013	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3014	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3015	VCKYTV1CB474K	J	0.47	16V	Ceramic	AC
C3016	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3017	VCKYTV1CB474K	J	0.47	16V	Ceramic	AC
C3018	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3019	VCKYTV1CB474K	J	0.47	16V	Ceramic	AC
C3020	VCKYTV1CB474K	J	0.47	16V	Ceramic	AC
C3021	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3022	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3023	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3024	VCCCTV1HH5R0C	J	5p	50V	Ceramic	AA
C3025	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3026	VCCCTV1HH5R0C	J	5p	50V	Ceramic	AA
C3027	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3028	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3029	VCCCTV1HH5R0C	J	5p	50V	Ceramic	AA
C3030	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3031	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3032	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3033	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3034	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3035	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3036	VCKYTV1CB474K	J	0.47	16V	Ceramic	AC
C3037	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3038	VCKYTV1CB474K	J	0.47	16V	Ceramic	AC
C3039	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3040	VCKYTV1CB474K	J	0.47	16V	Ceramic	AC

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MODEL XG-3910E/EA VGA AMP UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C3041	VCKYTV1CB474K	J	0.47	16V	Ceramic	AC
C3042	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3043	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3044	VCCCTV1HH5R0C	J	5p	50V	Ceramic	AA
C3045	VCCCTV1HH5R0C	J	5p	50V	Ceramic	AA
C3046	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3047	VCCCTV1HH5R0C	J	5p	50V	Ceramic	AA
C3048	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3049	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C3050	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3051	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3052	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3053	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3054	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3101	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C3102	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C3103	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C3104	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C3105	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C3106	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C3107	VCCCTV1HH3R0C	J	3p	50V	Ceramic	AA
C3109	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C3110	VCCCTV1HH3R0C	J	3p	50V	Ceramic	AA
C3112	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C3113	VCCCTV1HH3R0C	J	3p	50V	Ceramic	AA
C3114	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C3121	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C3201	VCE9GA1CW106M	J	10	16V	Elect. (N.P)	AB
C3202	VCE9GA1CW106M	J	10	16V	Elect. (N.P)	AB
C3203	VCE9GA1CW106M	J	10	16V	Elect. (N.P)	AB
C3204	VCE9GA1CW106M	J	10	16V	Elect. (N.P)	AB
C3205	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C3206	VCEAGA0JW107M	J	100	6.3V	Electrolytic	AB
C3207	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C3208	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3209	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3210	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3211	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3212	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3214	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3215	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C3216	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C3217	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C3301	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C3302	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3303	VCQYTA1HM563J	J	0.056	50V	Mylar	AB
C3304	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3305	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3306	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3307	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C3308	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description			Code
R3001	VRS-TV1JD682J	J	6.8k	1/10W	Metal Oxide	AA
R3002	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R3003	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R3004	VRS-TV1JD682J	J	6.8k	1/10W	Metal Oxide	AA
R3005	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R3007	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R3008	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R3009	VRS-TV1JD682J	J	6.8k	1/10W	Metal Oxide	AA
R3010	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R3011	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R3012	VRS-TV1JD682J	J	6.8k	1/10W	Metal Oxide	AA
R3013	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R3015	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R3016	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R3017	VRS-TV1JD682J	J	6.8k	1/10W	Metal Oxide	AA
R3018	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R3019	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R3020	VRS-TV1JD682J	J	6.8k	1/10W	Metal Oxide	AA
R3021	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R3022	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R3024	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R3025	VRS-TV1JD331J	J	330	1/10W	Metal Oxide	AA
R3026	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R3027	VRS-TV1JD681J	J	680	1/10W	Metal Oxide	AA
R3029	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R3030	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R3031	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R3032	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R3033	VRS-TV1JD820J	J	82	1/10W	Metal Oxide	AA
R3034	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R3035	VRS-TV1JD820J	J	82	1/10W	Metal Oxide	AA
R3036	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R3037	VRS-TV1JD820J	J	82	1/10W	Metal Oxide	AA
R3038	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R3039	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R3040	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R3041	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R3042	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R3043	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R3044	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R3045	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R3046	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R3047	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R3048	VRS-TV1JD470J	J	47	1/10W	Metal Oxide	AA
R3049	*See Controls*					
R3050	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R3051	VRS-TV1JD470J	J	47	1/10W	Metal Oxide	AA
R3052	*See Controls*					
R3053	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R3054	VRS-TV1JD470J	J	47	1/10W	Metal Oxide	AA
R3055	*See Controls*					
R3056	VRS-TV1JD153J	J	15k	1/10W	Metal Oxide	AA
R3057	VRS-TV1JD153J	J	15k	1/10W	Metal Oxide	AA
R3058	VRS-TV1JD153J	J	15k	1/10W	Metal Oxide	AA
R3061	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA

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MODEL XG-3910E/EA VGA AMP UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R3062	*See Controls*			
R3063	*See Controls*			
R3064	*See Controls*			
R3065	VRS-TV1JD153J	J	15k 1/10W Metal Oxide	AA
R3067	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R3068	VRS-TV1JD000J	J	0 1/10W Metal Oxide	AA
R3070	VRS-TV1JD473J	J	47k 1/10W Metal Oxide	AA
R3071	VRS-TV1JD333J	J	33k 1/10W Metal Oxide	AA
R3072	VRS-TV1JD272J	J	2.7k 1/10W Metal Oxide	AA
R3073	VRS-TV1JD822J	J	8.2k 1/10W Metal Oxide	AA
R3074	VRS-TV1JD822J	J	8.2k 1/10W Metal Oxide	AA
R3075	VRS-TV1JD153J	J	15k 1/10W Metal Oxide	AA
R3076	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R3077	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R3078	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R3079	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R3080	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R3081	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R3082	VRS-TV1JD000J	J	0 1/10W Metal Oxide	AA
R3085	VRS-TV1JD000J	J	0 1/10W Metal Oxide	AA
R3101	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3102	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3103	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3104	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3105	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3106	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3107	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3108	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3109	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3110	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3111	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3112	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3113	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3114	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3115	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3116	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3117	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3118	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3119	VRN-TV1JD152D	J	1.5k 1/10W Metal Film	AA
R3120	VRN-TV1JD472D	J	4.7k 1/10W Metal Film	AA
R3121	VRN-TV1JD512D	J	5.1k 1/10W Metal Film	AB
R3122	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3123	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3124	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3125	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3126	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3127	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3128	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3129	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3130	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3131	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3132	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3133	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3134	VRN-TV1JD182D	J	1.8k 1/10W Metal Film	AA
R3135	VRS-TX2HF470J	J	47 1/2W Metal Oxide	AA
R3201	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R3202	*See Controls*			
R3203	VRS-TV1JD182J	J	1.8k 1/10W Metal Oxide	AA
R3204	VRS-TV1JD182J	J	1.8k 1/10W Metal Oxide	AA
R3205	*See Controls*			
R3206	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R3207	VRS-TV1JD332J	J	3.3k 1/10W Metal Oxide	AA
R3208	VRN-TV1JD122D	J	1.2k 1/10W Metal Film	AA
R3209	VRS-TV1JD332J	J	3.3k 1/10W Metal Oxide	AA
R3210	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R3211	VRS-TV1JD183J	J	18k 1/10W Metal Oxide	AA
R3212	VRS-TV1JD682J	J	6.8k 1/10W Metal Oxide	AA
R3213	*See Controls*			
R3214	VRS-TV1JD182J	J	1.8k 1/10W Metal Oxide	AA
R3215	VRS-TV1JD471J	J	470 1/10W Metal Oxide	AA
R3216	VRN-TV1JD562D	J	5.6k 1/10W Metal Film	AA
R3217	VRN-TV1JD153D	J	15k 1/10W Metal Film	AA
R3218	VRN-TV1JD272D	J	2.7k 1/10W Metal Film	AA
R3221	VRS-TV1JD000J	J	0 1/10W Metal Oxide	AA
R3252	*See Controls*			
R3301	VRS-TV1JD102J	J	1k 1/10W Metal Oxide	AA
R3302	VRS-TV1JD331J	J	330 1/10W Metal Oxide	AA
R3303	VRS-TV1JD331J	J	330 1/10W Metal Oxide	AA
R3304	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R3305	VRS-TV1JD392J	J	3.9k 1/10W Metal Oxide	AA
R3306	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R3307	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R3308	VRS-TV1JD123J	J	12k 1/10W Metal Oxide	AA
R3309	VRS-TV1JD562J	J	5.6k 1/10W Metal Oxide	AA
R3310	VRS-TV1JD103J	J	10k 1/10W Metal Oxide	AA
R3311	VRS-TV1JD823J	J	82k 1/10W Metal Oxide	AA
R3312	VRS-TV1JD104J	J	100k 1/10W Metal Oxide	AA
R3313	*See Controls*			
R3314	VRS-TV1JD101J	J	100 1/10W Metal Oxide	AA
R3316	VRS-TV1JD333J	J	33k 1/10W Metal Oxide	AA
R3317	VRS-TV1JD473J	J	47k 1/10W Metal Oxide	AA
R3318	VRS-TV1JD000J	J	0 1/10W Metal Oxide	AA
R3320	VRS-TV1JD223J	J	22k 1/10W Metal Oxide	AA
R3321	VRS-TV1JD222J	J	2.2k 1/10W Metal Oxide	AA
R3322	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R3323	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R3324	VRS-TV1JD561J	J	560 1/10W Metal Oxide	AA
R3325	VRS-TV1JD393J	J	39k 1/10W Metal Oxide	AA
R3326	VRS-TV1JD393J	J	39k 1/10W Metal Oxide	AA

MISCELLANEOUS PARTS

P3001	QPLGN1278GEZZ	J	Plug 12-pin (PC)	AC
P3101	QPLGN1278GEZZ	J	Plug 12-pin (MG)	AC
P3201	QPLGN0678GEZZ	J	Plug 6-pin (MF)	AB
P3202	QPLGN0378GEZZ	J	Plug 3-pin (EG)	AB
P3301	QPLGN0678GEZZ	J	Plug 6-pin (MP)	AB
TP3101	QLUGP0110TAFW	J	Lug Test Point	AA
TP3102	QLUGP0110TAFW	J	Lug Test Point	AA
TP3103	QLUGP0110TAFW	J	Lug Test Point	AA
TP3301	QPLGN0278GEZZ	J	Plug 2-pin Test Point	AA
	QCNW-4455CEZZ	J	Connecting Wire	AL

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SCAN CONVERTER UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC4101	RH-iX2379CEZZ	J	Controller	AY
IC4102	RH-iX2063CEZZ	J	Line Memory UPD42102G-3	AV
IC4103	RH-iX0142TAZZ	J	A/D Converter UPC659G	AU
IC4104	VHiMB40778F-1	J	D/A Converter	AN
IC4105	VHiSC7S04F/-1	J	SC7S04F	AC
IC4106	VHiNJM2107F-1	J	OP Amp.	AE
IC4107	RH-iX2174CEZZ	J	MC74HC4538FR	AG
IC4108	VHiMC14577F-1	J	MC14577BF	AG
IC4109	VHiMC14577F-1	J	MC14577BF	AG
IC4110	VHiMC14577F-1	J	MC14577BF	AG
IC4111	VHiNJM2283F-1	J	NJM2283M	AF
IC4112	VHiPQ05TZ11-1	J	PQ05TZ11	AH

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q4101	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q4102	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4103	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q4104	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4105	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4106	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q4107	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4108	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4109	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q4110	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4113	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q4114	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q4115	VS2SC2412KQ-1	J	2SC2412KQ	AA

DIODES

Ref. No.	Part No.	★	Description	Code
D4101	VHDMA152WK/-1	J	Diode MA152WK	AA
D4102	VHD1SV217//-1	J	Diode 1SV217	AB

COILS

Ref. No.	Part No.	★	Description	Code
DL4101	RCiLF0135GEZZ	J	Coil, Delay Line	AL
DL4102	RCiLF0135GEZZ	J	Coil, Delay Line	AL
FL4101	RCiLF0214CEZZ	J	Coil, Filter	AF
L4101	RCiLB0065CEZZ	J	Coil, VCO2 Adj.	AG
L4102	VP-1M3R3JR93N	J	Peaking 3.3µH	AB
L4103	RCiLC0055CEZZ	J	Coil	AD

CAPACITORS

Ref. No.	Part No.	★				Code
C4100	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4101	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C4102	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C4103	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C4104	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C4105	VCEAPH1CW106M	J	10	16V	Electrolytic	AB
C4106	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C4107	VCE9PF1CW475M	J	4.7	16V	Elect. (N.P)	AC
C4108	VCEAPH1CW106M	J	10	16V	Electrolytic	AB
C4109	VCEAPH1HW225M	J	2.2	50V	Electrolytic	AB
C4110	VCEAPH1HW225M	J	2.2	50V	Electrolytic	AB
C4111	VCEAPH1HW225M	J	2.2	50V	Electrolytic	AB
C4112	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C4113	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4114	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4115	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4116	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C4117	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4118	VCCCCY1HH470J	J	47p	50V	Ceramic	AA
C4119	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C4120	VCCCCY1HH471J	J	470p	50V	Ceramic	AA
C4121	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4122	VCCCCY1EH561J	J	560p	25V	Ceramic	AA
C4123	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4124	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C4125	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4126	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4127	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C4128	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4129	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4130	VCEAPH1HW105M	J	1	50V	Electrolytic	AB
C4131	VCCCCY1EH561J	J	560p	25V	Ceramic	AA
C4132	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4133	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4134	VCEAPH1CW106M	J	10	16V	Electrolytic	AB
C4135	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C4136	VCEAPK1CN107M	J	100	16V	Electrolytic	AD
C4137	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C4138	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C4139	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4140	VCKYCY1EB103K	J	0.01	25V	Ceramic	AA
C4141	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4142	VCEAPH1CW106M	J	10	16V	Electrolytic	AB
C4143	VCEAPH1HW225M	J	2.2	50V	Electrolytic	AB
C4144	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB

RESISTORS

Ref. No.	Part No.	★				Code
R4100	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R4101	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R4102	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R4103	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R4104	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R4106	VRS-CY1JF821J	J	820	1/16W	Metal Oxide	AA
R4107	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4108	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4109	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R4110	VRS-CY1JF393J	J	39k	1/16W	Metal Oxide	AA
R4111	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R4112	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R4113	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R4114	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4115	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4116	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4117	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4118	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R4119	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R4120	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA

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SCAN CONVERTER UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R4121	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R4122	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4123	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R4124	VRS-CY1JF242J	J	2.4k 1/16W Metal Oxide	AA
R4125	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4126	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R4127	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4128	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R4129	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R4130	VRS-CB1JF271J	J	270 1/16W Metal Oxide	AC
R4131	VRS-CB1JF271J	J	270 1/16W Metal Oxide	AC
R4132	VRS-CB1JF391J	J	390 1/16W Metal Oxide	AC
R4133	VRS-CB1JF391J	J	390 1/16W Metal Oxide	AC
R4134	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R4135	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4136	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4137	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4138	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R4139	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R4140	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R4141	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R4143	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R4145	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4146	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4147	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R4149	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4150	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R4151	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4152	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R4153	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4154	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R4155	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R4156	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4157	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R4158	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4159	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R4160	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4161	VRS-CY1JF683J	J	68k 1/16W Metal Oxide	AA
R4162	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R4163	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R4164	VRS-CY1JF683J	J	68k 1/16W Metal Oxide	AA
R4165	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4166	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4167	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4168	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R4169	VRS-CB1JF391J	J	390 1/16W Metal Oxide	AC
R4170	VRS-CB1JF391J	J	390 1/16W Metal Oxide	AC
R4171	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4172	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R4173	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4174	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4175	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4176	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R4177	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R4178	VRS-CY1JF823J	J	82k 1/16W Metal Oxide	AA
R4179	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R4180	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4181	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4182	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4183	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R4184	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4185	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4187	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R4188	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R4189	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R4190	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4191	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R4192	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4193	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R4194	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R4195	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4196	VRS-CY1JF823J	J	82k 1/16W Metal Oxide	AA
R4197	VRS-CY1JD563J	J	56k 1/16W Metal Oxide	AA
R4201	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4202	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4203	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4204	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4205	VRS-TW2ED000J	J	0 1/16W Metal Oxide	AB
R4206	VRS-TW2ED000J	J	0 1/16W Metal Oxide	AB
R4207	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

FB4102	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4103	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4104	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4105	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB4106	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB4107	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB4108	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB4109	RBLN-0059CEZZ	J	Ferrite Bead	AB
SC4101	QSOCZ2228CEZZ	J	Socket 22-pin (CA)	AF
TP4101	QLUGP0110TAFW	J	Lug Test Point	AA
TP4102	QLUGP0110TAFW	J	Lug Test Point	AA
	PSLDM4317CEFW	J	Shield	AF
	QCNW-4383CEZZ	J	Connecting Wire	AE

DUNTK9217DE06/07/05
AUDIO AMP/LED UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC304	VHiTDA7056A-1	J	Audio Amp. TDA7056A	AP
IC2151	VHiNJM3415M-1	J	NJM3415M	AT

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q307	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2151	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2153	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2154	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q2155	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q2156	VS2SC3518K/3E	J	2SC3518K	AE

DIODES

Ref. No.	Part No.	★	Description	Code
D2151	RH-EX0251CEZZ	J	Zener Diode	AB
D2153	RH-PX0175CEZZ	J	LED Temp. Indicator	AB
D2154	RH-PX0287CEZZ	J	LED Lamp Indicator	AC
D2155	RH-PX0287CEZZ	J	LED Power Indicator	AC
D2156	VHDMA152WK/-1	J	Diode MA152WK	AA
D2157	VHDMA152WK/-1	J	Diode MA152WK	AA
D2158	RH-EX0676CEZZ	J	Zener Diode	AD

CAPACITORS

Ref. No.	Part No.	★				Code
C320	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C321	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C332	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C333	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C334	VCCCTV1HH471J	J	470p	50V	Ceramic	AA
C335	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C336	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C337	VCFYFA1HA474J	J	0.47	50V	M. Polyester	AC
C2151	VCEAGA1CW227M	J	220	16V	Electrolytic	AC
C2153	VCEAGA1CW226M	J	22	16V	Electrolytic	AB
C2154	VCEAGA1CW226M	J	22	16V	Electrolytic	AB
C2155	VCEAGA1CW227M	J	220	16V	Electrolytic	AC
C2156	VCEAGA1CW337M	J	330	16V	Electrolytic	AC
C2157	VCEAGA0JW107M	J	100	6.3V	Electrolytic	AB
C2158	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C2159	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C2160	VCEAGA1CW226M	J	22	16V	Electrolytic	AB
C2164	VCQYTA1HM104J	J	0.1	50V	Mylar	AA

RESISTORS

Ref. No.	Part No.	★				Code
R343	VRS-TV1JD822J	J	8.2k	1/10W	Metal Oxide	AA
R344	VRS-TV1JD473J	J	47k	1/10W	Metal Oxide	AA
R345	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R346	VRS-TX2HF1R0J	J	1	1/2W	Metal Oxide	AA
R348	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R349	VRS-TX2HF8R2J	J	8.2	1/2W	Metal Oxide	AA
R350	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R351	VRS-TV1JD182J	J	1.8k	1/10W	Metal Oxide	AA
R352	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R353	VRS-TV1JD000J	J	00	1/10W	Metal Oxide	AA
R2151	VRS-VV3LB150J	J	15	3.0W	Metal Oxide	AB
R2152	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R2153	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R2157	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R2158	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R2159	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R2160	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R2161	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R2162	VRS-TV1JD220J	J	22	1/10W	Metal Oxide	AA
R2163	VRS-TV1JD471J	J	470	1/10W	Metal Oxide	AA
R2164	VRS-TV1JD473J	J	47k	1/10W	Metal Oxide	AA
R2165	VRS-TV1JD473J	J	47k	1/10W	Metal Oxide	AA
R2166	VRS-TV1JD393J	J	39k	1/10W	Metal Oxide	AA
R2169	VRS-VV3DB560J	J	56	2W	Metal Oxide	AA
R2170	VRN-TV1JD562D	J	5.6k	1/10W	Metal Film	AA
R2171	VRN-TV1JD332D	J	3.3k	1/10W	Metal Film	AA
R2172	VRS-TV1JD273J	J	27k	1/10W	Metal Oxide	AA
R2173	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R2174	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R2175	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R2176	VRS-TW2ED151J	J	150	1/4W	Metal Oxide	AA

SWITCH

Ref. No.	Part No.	★	Description	Code
S2151	QSW-P0577CEZZ	J	Power Switch	AE

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB302	RBLN-0060CEZZ	J	Ferrite Bead	AC
P301	QPLGN0241CEZZ	J	Plug 2-pin (SP)	AA
P2151	QPLGN1078GEZZ	J	Plug 10-pin (LE)	AC
P2152	QPLGN0278GEZZ	J	Plug 2-pin (LL)	AA
P2153	QPLGN1178GEZZ	J	Plug 11-pin (LC)	AC
P2154	QPLGN0278GEZZ	J	Plug 2-pin (LF)	AA
P2155	QPLGN0341CEZZ	J	Plug 3-pin (FC)	AA
P2156	QPLGN0378GEZZ	J	Plug 3-pin (FS)	AB
P2160	QPLGN0441CEZZ	J	Plug 4-pin (EF)	AB
RMC2151	RRMCU0196CEZZ	J	Infrared R/C Receiver	AM
	LHLDZ1814CEZZ	J	LED Holder	AD
	LHLDW1077GEZZ	J	Wire Holder	AA
RDA301	PRDAR5182CEFW	J	Heat Sink for IC304	AE
	LX-BZ3014GEFD	J	Screw for IC304	AA

Ref. No.	Part No.	★	Description	Code

DUNTK9220DE06/07/05
Y/C SEPARATOR UNIT

INTEGRATED CIRCUITS

IC4001	VHiCXD2024Q-1	J	Y/C Separator	BA
IC4002	VHiNJ2233BM-1	J	Y Switch NJM2233BM	AE
IC4003	VHiNJM2234M-1	J	C Switch NJM2234M	AF
IC4004	VHiTA78L05S-1	J	TA78L05S	AC
IC4005	VHiNJM2240M-1	J	NJM2240M	AG

TRANSISTORS

Q4001	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q4002	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4003	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q4004	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4005	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4006	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4007	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4008	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q4009	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4010	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4011	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4012	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q4013	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4014	VSDTC144EK/-1	J	DTC144EK	AB
Q4015	VSDTC144EK/-1	J	DTC144EK	AB
Q4016	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4017	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4018	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4019	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4020	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q4021	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4023	VSDTC144EK/-1	J	DTC144EK	AB

DIODES

D4001	VHDMA153///-1	J	Diode MA153	AB
D4005	VHDMA153///-1	J	Diode MA153	AB
D4006	VHDMA153///-1	J	Diode MA153	AB
D4007	VHDMA153///-1	J	Diode MA153	AB
D4008	VHDMA153///-1	J	Diode MA153	AB
D4009	VHDMA153///-1	J	Diode MA153	AB
D4010	VHDMA153///-1	J	Diode MA153	AB

COIL AND TRANSFORMERS

CF4001	RFiLC0286CEZZ	J	Ceramic Filter	AE
FL4001	RFiLC0274CEZZ	J	Filter	AG
FL4002	RFiLN0050CEZZ	J	Filter	AB
FL4003	RFiLC0274CEZZ	J	Filter	AG
L4001	VP-1M150J2R2N	J	Peaking Coil 15µH	AC
T4001	RCiLi0512CEZZ	J	Coil	AE
T4002	RCiLi0520CEZZ	J	Coil	AE

Ref. No.	Part No.	★	Description	Code

CAPACITORS

C4001	VCEAPF1AW476M	J	47	10V	Electrolytic	AB
C4002	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4003	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C4004	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4005	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C4006	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C4008	VCCCTV1HH270J	J	27p	50V	Ceramic	AA
C4009	VCCCTV1HH820J	J	82p	50V	Ceramic	AA
C4010	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4011	VCCCTV1HH390J	J	39p	50V	Ceramic	AA
C4012	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4013	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C4014	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C4015	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4016	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C4017	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C4018	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4019	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4020	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4021	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4022	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4023	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4024	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4025	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4026	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4027	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C4028	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4029	VCFYEC1CM104J	J	0.1	16V	M. Polyester	AD
C4030	VCCCTV1HH470J	J	47p	50V	Ceramic	AA
C4031	VCFYEC1CM104J	J	0.1	16V	M. Polyester	AD
C4032	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4033	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4034	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4035	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4036	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4037	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4038	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4039	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4040	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4041	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4042	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4044	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C4045	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4046	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4047	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4048	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4049	VCEAPF1VW475M	J	4.7	35V	Electrolytic	AB
C4050	VCCCTV1HH102J	J	1000p	50V	Ceramic	AA
C4051	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4052	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4053	VCCCTV1HH7R0D	J	7p	50V	Ceramic	AA
C4054	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4055	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C4057	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA

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Y/C SEPARATOR UNIT (Continued)

RESISTORS

Ref. No.	Part No.	★	Description			Code
R4001	VRS-TV1JD221F	J	220	1/10W	Metal Oxide	AA
R4002	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R4003	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R4004	VRS-TV1JD822J	J	8.2k	1/10W	Metal Oxide	AA
R4005	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R4006	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R4007	VRS-TV1JD102F	J	1k	1/10W	Metal Oxide	AA
R4009	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R4010	VRS-TV1JD391F	J	390	1/10W	Metal Oxide	AA
R4011	VRS-TV1JD362F	J	3.6k	1/10W	Metal Oxide	AA
R4012	VRS-TV1JD391F	J	390	1/10W	Metal Oxide	AA
R4014	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R4015	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R4016	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R4017	VRS-TV1JD561J	J	560	1/10W	Metal Oxide	AA
R4018	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R4019	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R4020	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R4021	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R4022	VRS-TV1JD272F	J	2.7k	1/10W	Metal Oxide	AA
R4023	VRS-TV1JD182F	J	1.8k	1/10W	Metal Oxide	AA
R4024	VRS-TV1JD362F	J	3.6k	1/10W	Metal Oxide	AA
R4025	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R4026	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R4027	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R4028	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R4029	VRS-TV1JD224F	J	220k	1/10W	Metal Oxide	AA
R4030	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R4031	VRS-TV1JD471F	J	470	1/10W	Metal Oxide	AA
R4032	VRS-TV1JD102F	J	1k	1/10W	Metal Oxide	AA
R4033	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R4034	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R4035	VRS-TV1JD822J	J	8.2k	1/10W	Metal Oxide	AA
R4036	VRS-TV1JD391F	J	390	1/10W	Metal Oxide	AA
R4037	VRS-TV1JD391F	J	390	1/10W	Metal Oxide	AA
R4038	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R4039	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R4040	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R4041	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R4042	VRS-TV1JD271J	J	270	1/10W	Metal Oxide	AA
R4043	VRS-TV1JD151J	J	150	1/10W	Metal Oxide	AA
R4044	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R4045	VRS-TV1JD221J	J	220	1/10W	Metal Oxide	AA
R4046	VRS-TV1JD471J	J	470	1/10W	Metal Oxide	AA
R4047	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R4048	VRS-TV1JD821J	J	820	1/10W	Metal Oxide	AA
R4049	VRS-TV1JD182J	J	1.8k	1/10W	Metal Oxide	AA
R4050	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R4051	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R4052	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R4053	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R4054	VRS-TV1JD270J	J	27	1/10W	Metal Oxide	AA
R4055	VRS-TV1JD273J	J	27k	1/10W	Metal Oxide	AA
R4057	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R4058	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R4059	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R4060	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R4061	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R4062	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R4063	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R4064	VRS-TV1JD361J	J	360	1/10W	Metal Oxide	AA
R4065	VRS-TV1JD392F	J	3.9k	1/10W	Metal Oxide	AA
R4066	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R4068	VRS-TV1JD393J	J	39k	1/10W	Metal Oxide	AA
R4069	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R4070	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R4072	VRS-TV1JD751F	J	750	1/10W	Metal Oxide	AA
R4074	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R4075	VRS-TV1JD561J	J	560	1/10W	Metal Oxide	AA

MISCELLANEOUS PARTS

FB4001	RBLN-0060CEZZ	J	Ferrite Bead	AC
FB4002	RBLN-0060CEZZ	J	Ferrite Bead	AC
FB4003	RBLN-0060CEZZ	J	Ferrite Bead	AC
FB4004	RBLN-0063CEZZ	J	Ferrite Bead	AC
FB4005	RBLN-0067CEZZ	J	Ferrite Bead (XG-3910E)	AC
P4001	QPLGZ1042CEZZ	J	Plug 10-pin (TC)	AD
P4002	QPLGZ0742CEZZ	J	Plug 7-pin (TD)	AE
TP4001	QLUGP0110TAFW	J	Lug, Test Point	AA
TP4003	QLUGP0110TAFW	J	Lug, Test Point	AA

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INPUT UNIT

INTEGRATED CIRCUITS

IC301	VHiNJM2245M-1	J	R-Switch NJM2245M	AF
IC302	VHiNJM2245M-1	J	L-Switch NJM2245M	AF
IC401	VHiNJM2245M-1	J	Y-Switch NJM2245M	AF
IC402	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC403	VHiM51494L/-1	J	Sharpness M51494L	AK
IC405	VHiNJM2245M-1	J	Video Switch NJM2245M	AF
IC406	VHiNJ2233BM-1	J	Sync Switch NJM2233BM	AE
IC407	VHiNJM2245M-1	J	C-Switch NJM2245M	AF
IC5001	VHiH11559NT-1	J	Picture Quality Correct HA11559NT	AS
IC5002	VHiTC4538AF-1	J	Multivibrator TC74HC4538AF	AH

TRANSISTORS

Q301	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q401	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q402	VSDTC144EK/-1	J	DTC144EK	AB
Q403	VSDTC144EK/-1	J	DTC144EK	AB
Q404	VSDTC144EK/-1	J	DTC144EK (XG-3910E)	AB
Q407	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q408	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q409	VSDTC144EK/-1	J	DTC144EK	AB
Q410	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q413	VSDTC144EK/-1	J	DTC144EK	AB
Q423	VSDTC144EK/-1	J	DTC144EK	AB
Q424	VSDTC144EK/-1	J	DTC144EK	AB
Q425	VSDTC144EK/-1	J	DTC144EK	AB
Q426	VSDTC144EK/-1	J	DTC144EK	AB
Q5001	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5002	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5003	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5004	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5005	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5006	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5007	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5008	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5009	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5010	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5011	VS2SC2412KQ-1	J	2SC2412KQ	AA

DIODES

D301	RH-EX0226CEZZ	J	Zener Diode	AB
D302	RH-EX0226CEZZ	J	Zener Diode	AB
D303	RH-EX0226CEZZ	J	Zener Diode	AB
D304	RH-EX0226CEZZ	J	Zener Diode	AB
D305	RH-EX0226CEZZ	J	Zener Diode	AB
D306	RH-EX0226CEZZ	J	Zener Diode	AB
D307	RH-EX0226CEZZ	J	Zener Diode	AB
D308	RH-EX0226CEZZ	J	Zener Diode	AB
D401	VHDMA153///-1	J	Diode MA153	AB
D402	VHDMA153///-1	J	Diode MA153	AB
D403	RH-EX0226CEZZ	J	Zener Diode	AB
D404	RH-EX0226CEZZ	J	Zener Diode	AB
D405	RH-EX0226CEZZ	J	Zener Diode	AB
D406	RH-EX0226CEZZ	J	Zener Diode	AB
D407	RH-EX0226CEZZ	J	Zener Diode	AB
D408	RH-EX0226CEZZ	J	Zener Diode	AB
D409	RH-EX0226CEZZ	J	Zener Diode	AB
D410	RH-EX0226CEZZ	J	Zener Diode	AB
D411	VHDMA153///-1	J	Diode MA153	AB
D412	VHDMA153///-1	J	Diode MA153	AB
D413	VHDMA153///-1	J	Diode MA153	AB
D414	VHDMA152WK/-1	J	Diode MA152WK	AA
D416	RH-EX0226CEZZ	J	Zener Diode	AB
D420	RH-EX0226CEZZ	J	Zener Diode	AB
D421	VHDMA152WK/-1	J	Diode MA152WK	AA
D422	VHDMA152WK/-1	J	Diode MA152WK	AA
D423	VHDMA152WK/-1	J	Diode MA152WK	AA
D424	RH-EX0226CEZZ	J	Zener Diode	AB
D426	RH-EX0226CEZZ	J	Zener Diode	AB

COILS

CF5001	RFiLC0024GEZZ	J	Ceramic Filter	AE
L5001	RCiLC0055CEZZ	J	Coil	AD
L5002	RCiLC0055CEZZ	J	Coil	AD

CONTROL

R5066	RVR-M4426CEZZ	J	1k(B)	Y-Output	AD

CAPACITORS

C301	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C302	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C303	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C304	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C305	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C306	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C307	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C308	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C309	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C310	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C311	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C312	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C313	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C401	VCFYEC1CM104J	J	0.1	16V	M. Polyester	AD
C402	VCFYEC1CM104J	J	0.1	16V	M. Polyester	AD
C403	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C404	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C405	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C406	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C408	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C410	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C411	VCCCTV1HH680J	J	68p	50V	Ceramic	AA
C416	VCCCTV1HH680J	J	68p	50V	Ceramic	AA
C417	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C418	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C419	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C420	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA

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Ref. No.	Part No.	★	Description			Code
C422	VCCCTV1HH680J	J	68p	50V	Ceramic	AA
C423	VCCCTV1HH680J	J	68p	50V	Ceramic	AA
C424	VCFYEC1CM104J	J	0.1	16V	M. Polyester	AD
C425	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C426	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C427	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C428	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C429	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C430	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C431	VCCCTV1HH331J	J	330p	50V	Ceramic	AA
C432	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C433	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C434	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C435	VCCCTV1HH151J	J	150p	50V	Ceramic	AA
C437	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C438	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C439	VCFYEC1CM104J	J	0.1	16V	M. Polyester	AD
C440	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C443	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C452	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C460	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C462	VCCCTV1HH180J	J	18p	50V	Ceramic	AA
C5002	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C5003	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5004	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C5005	VCE9PF1HW105M	J	1	50V	Elect. (N.P)	AC
C5006	VCCCTV1HH330J	J	33p	50V	Ceramic	AA
C5007	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C5008	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C5009	VCKYTV1HB152K	J	1500p	50V	Ceramic	AA
C5010	VCCCTV1HH102J	J	1000p	50V	Ceramic	AA
C5011	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C5012	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C5013	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5014	VCCCTV1HH120J	J	12p	50V	Ceramic	AA
C5015	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C5016	VCKYTV1HB103K	J	0.01	50V	Ceramic	AA
C5017	VCE9PF1HW105M	J	1	50V	Elect. (N.P)	AC
C5019	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C5020	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C5021	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C5022	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C5023	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5024	VCCCTV1HH102J	J	1000p	50V	Ceramic	AA
C5025	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C5026	VCCCTV1HH561J	J	560p	50V	Ceramic	AA

RESISTORS

R301	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R302	VRS-TV1JD563J	J	56k	1/10W	Metal Oxide	AA
R303	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R304	VRS-TV1JD563J	J	56k	1/10W	Metal Oxide	AA
R305	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R306	VRS-TV1JD563J	J	56k	1/10W	Metal Oxide	AA
R307	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R308	VRS-TV1JD563J	J	56k	1/10W	Metal Oxide	AA
R309	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R310	VRS-TV1JD563J	J	56k	1/10W	Metal Oxide	AA
R311	VRS-TV1JD123J	J	12k	1/10W	Metal Oxide	AA
R312	VRS-TV1JD563J	J	56k	1/10W	Metal Oxide	AA
R313	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R314	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R315	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R316	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R317	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R318	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R319	VRS-TV1JD272J	J	2.7k	1/10W	Metal Oxide	AA
R320	VRS-TV1JD272J	J	2.7k	1/10W	Metal Oxide	AA
R321	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R322	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R326	VRS-TV1JD681J	J	680	1/10W	Metal Oxide	AA
R327	VRS-TV1JD105J	J	1M	1/10W	Metal Oxide	AA
R329	VRS-TV1JD681J	J	680	1/10W	Metal Oxide	AA
R330	VRS-TV1JD105J	J	1M	1/10W	Metal Oxide	AA
R401	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R402	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R403	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R404	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R405	VRS-TV1JD182J	J	1.8k	1/10W	Metal Oxide	AA
R406	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R407	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R408	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R409	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R410	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R411	VRS-TV1JD105J	J	1M	1/10W	Metal Oxide	AA
R412	VRS-TV1JD681J	J	680	1/10W	Metal Oxide	AA
R413	VRS-TV1JD681J	J	680	1/10W	Metal Oxide	AA
R414	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R415	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R416	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R417	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R418	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R419	VRS-TV1JD750J	J	75	1/10W	Metal Oxide	AA
R420	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R421	VRS-TV1JD750J	J	75	1/10W	Metal Oxide	AA
R422	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R423	VRS-TV1JD750J	J	75	1/10W	Metal Oxide	AA
R424	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R425	VRS-TV1JD682J	J	6.8k	1/10W	Metal Oxide	AA
R426	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R427	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R428	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R429	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R430	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R431	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R432	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R433	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R440	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R442	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA

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INPUT UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R443	VRS-TX2HF331J	J	330	1/2W	Metal Oxide	AB
R444	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R445	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R446	VRS-TV1JD122J	J	1.2k	1/10W	Metal Oxide	AA
R447	VRS-TV1JD273J	J	27k	1/10W	Metal Oxide	AA
R450	VRS-TV1JD392J	J	3.9k	1/10W	Metal Oxide	AA
R451	VRS-TV1JD821J	J	820	1/10W	Metal Oxide	AA
R453	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R454	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R455	VRS-TV1JD332J	J	3.3k	1/10W	Metal Oxide	AA
R456	VRS-TV1JD822J	J	8.2k	1/10W	Metal Oxide	AA
R457	VRS-TV1JD822J	J	8.2k	1/10W	Metal Oxide	AA
R458	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R462	VRS-TV1JD182J	J	1.8k	1/10W	Metal Oxide	AA
R466	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R470	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R471	VRS-TV1JD181J	J	180	1/10W	Metal Oxide	AA
R472	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R488	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R489	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R490	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R491	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R492	VRS-TV1JD223J	J	22k	1/10W	Metal Oxide	AA
R493	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R494	VRS-TV1JD823J	J	82k	1/10W	Metal Oxide	AA
R495	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R5003	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R5004	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R5005	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R5006	VRS-TW2ED821J	J	820	1/4W	Metal Oxide	AA
R5007	VRS-TV1JD471J	J	470	1/10W	Metal Oxide	AA
R5008	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R5010	VRS-TV1JD154J	J	150k	1/10W	Metal Oxide	AA
R5011	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R5012	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R5014	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R5015	VRS-TV1JD472J	J	4.7k	1/10W	Metal Oxide	AA
R5016	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R5017	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R5018	VRS-TV1JD823J	J	82k	1/10W	Metal Oxide	AA
R5019	VRS-TV1JD823J	J	82k	1/10W	Metal Oxide	AA
R5020	VRS-TV1JD224J	J	220k	1/10W	Metal Oxide	AA
R5021	VRS-TV1JD563J	J	56k	1/10W	Metal Oxide	AA
R5022	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R5023	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R5024	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R5025	VRS-TV1JD682J	J	6.8k	1/10W	Metal Oxide	AA
R5026	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R5027	VRS-TV1JD562J	J	5.6k	1/10W	Metal Oxide	AA
R5028	VRS-TV1JD182J	J	1.8k	1/10W	Metal Oxide	AA
R5029	VRS-TV1JD152J	J	1.5k	1/10W	Metal Oxide	AA
R5030	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R5031	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R5032	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R5033	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R5034	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R5035	VRS-TV1JD271J	J	270	1/10W	Metal Oxide	AA
R5036	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R5037	VRS-TV1JD561J	J	560	1/10W	Metal Oxide	AA
R5038	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R5039	VRS-TV1JD333J	J	33k	1/10W	Metal Oxide	AA
R5040	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R5041	VRS-TV1JD222J	J	2.2k	1/10W	Metal Oxide	AA
R5042	VRS-TV1JD562J	J	5.6k	1/10W	Metal Oxide	AA
R5043	VRS-TV1JD561J	J	560	1/10W	Metal Oxide	AA
R5044	VRS-TV1JD101J	J	100	1/10W	Metal Oxide	AA
R5045	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R5046	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R5047	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R5048	VRN-TV1JD103D	J	10k	1/10W	Metal Film	AB
R5065	VRS-TV1JD102J	J	1k	1/10W	Metal Oxide	AA
R5066	*See Control*					
R5067	VRS-TV1JD391J	J	390	1/10W	Metal Oxide	AA
R5068	VRS-TV1JD274J	J	270k	1/10W	Metal Oxide	AA

MISCELLANEOUS PARTS

J301	QJAKF0021CEZZ	J	Jack Video 1 Audio In	AF
J302	QJAKF0021CEZZ	J	Jack Video 2 Audio In	AF
J303	QJAKF0021CEZZ	J	Jack Audio Monitor Out	AF
J304	QJAKE0043GEZZ	J	Jack RGB Audio In	AD
J401	QSOCD0435CEZZ	J	Socket S-Video 1	AF
J402	QSOCD0435CEZZ	J	Socket S-Video 2	AF
J403	QTANZ0704CEZZ	J	BNC Connector 7-pin	AX
SC401	QSOCZ1269GEZZ	J	Socket 12-pin (TA)	AD
SC402	QSOCZ1269GEZZ	J	Socket 12-pin (TB)	AD
SC403	QSOCZ1042CEZZ	J	Socket 10-pin (TC)	AD
SC404	QSOCZ0742CEZZ	J	Socket 7-pin (TD)	AE
TP5001	QLUGP0110TAZZ	J	Lug, Test Point	AA
	QCNW-4414CEZZ	J	Connecting Wire	AE
	PSLDM4334CEZZ	J	Shield	AD

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MODELS XG-3910E/EⒶ POWER UNIT

Ref. No.	Part No.	★	Description	Code
INTEGRATED CIRCUITS				
⚠IC701	9FJ0F09010030	J	MA2820	AU
⚠IC702	9FJ0F09010030	J	MA2820	AU
IC703	9FJ0F01110500	J	PQ05RH11	AM
IC704	9FJ0F01110285	J	TA76431S	AG
IC705	9FJ0F01110285	J	TA76431S	AG
TRANSISTORS				
TR702	9FJ0Q02001071	J	2SC2785	AD
TR703	9FJ0Q02001071	J	2SC2785	AD
TR706	9FJ0Q00010180	J	2SA1567	AL
TR707	9FJ0Q02001071	J	2SC2785	AD
TR708	9FJ0Q02001071	J	2SC2785	AD
TR709	9FJ0Q02001071	J	2SC2785	AD
DIODES				
D701	9FJOD00001005	J	Diode 1SS119 or 1SS176	AB
D702	9FJOD00001005	J	Diode 1SS119 or 1SS176	AB
D703	9FJOD00001005	J	Diode 1SS119 or 1SS176	AB
D704	9FJOD01001515	J	Diode EG01Z	AD
D705	9FJOD04001020	J	Diode FMBG14	AH
D706	9FJOD23010020	J	Diode FMX12S	AG
D707	9FJOD23010020	J	Diode FMX12S	AG
D708	9FJOD02010000	J	Diode RL2Z	AF
D709	9FJOD01001515	J	Diode EG01Z	AD
D710	9FJOD00001005	J	Diode 1SS119 or 1SS176	AB
D711	9FJOD00001005	J	Diode 1SS119 or 1SS176	AB
D712	9FJOD00001005	J	Diode 1SS119 or 1SS176	AB
D713	9FJOD01001515	J	Diode EG01Z	AD
⚠DB701	9FJ0D14010070	J	Bridge Diode D10XB60	AN
ZD701	9FJ0D31181625	J	Zener Diode RD10JS	AD
ZD702	9FJ0D31181655	J	Zener Diode RD15JS	AD
ZD703	9FJ0D31110125	J	Zener Diode RD5.1JS	AD
ZD704	9FJ0D31110125	J	Zener Diode RD5.1JS	AD
PACKAGED CIRCUITS				
⚠NR701	9FJ0F20010090	J	ZNR Transient/Surge Absobers	AG
⚠PC701	9FJ0F10010931	J	Photo Coupler TLP721	AG
⚠PC702	9FJ0F10010931	J	Photo Coupler TLP721	AG
PC703	9FJ0F10010670	J	Photo Coupler TLP621	AG
⚠PC704	9FJ0F10010931	J	Photo Coupler TLP721	AG
⚠PC705	9FJ0F10010990	J	Photo Triac Coupler TLP665	AN
COIL AND TRANSFORMERS				
⚠L701	9FJ0L05010100	J	Inductor 8.2mH	AU
L703	9FJ0L08001445	J	Inductor 5.6µH	AF
L704	9FJ0L08001445	J	Inductor 5.6µH	AF
L705	9FJ0L08001445	J	Inductor 5.6µH	AF
L706	9FJ0L08001445	J	Inductor 5.6µH	AF
L707	9FJ0L08010145	J	Inductor 8.2µH	AD
L708	9FJ0L08010150	J	Inductor CM05RB02	AK

Ref. No.	Part No.	★	Description	Code
⚠T701	9FJ0L00010100	J	Trans. 050100	AR
⚠T702	9FJ0L00010110	J	Trans. 050101	AR
CONTROLS				
VR701	9FJ0R60001245	J	500 6.5V Adj.	AE
VR702	9FJ0R60001255	J	1k 13V Adj.	AE
CAPACITORS				
⚠C701	9FJ0C34010663	J	0.47 250V M. Polyester	AK
⚠C702	9FJ0C34010663	J	0.47 250V M. Polyester	AK
C703	9FJ0C51000020	J	2200p 250V Ceramic	AE
C704	9FJ0C51000020	J	2200p 250V Ceramic	AE
C705	9FJ0C51000020	J	2200p 250V Ceramic	AE
⚠C706	9FJ0C02810593	J	470 400V Electrolytic	AY
⚠C707	9FJ0C02810593	J	470 400V Electrolytic	AY
C709	9FJ0C32410080	J	0.022 400V M. Polyester	AE
C710	9FJ0C12001305	J	0.022 50V Polyester FilmAD	
C711	9FJ0C12001015	J	0.01 50V Polyester FilmAD	
C712	9FJ0C12001015	J	0.01 50V Polyester FilmAD	
C713	9FJ0C32410080	J	0.022 400V M. Polyester	AE
C714	9FJ0C12001305	J	0.022 50V Polyester FilmAD	
C715	9FJ0C12001015	J	0.01 50V Polyester FilmAD	
C716	9FJ0C12001015	J	0.01 50V Polyester FilmAD	
C717	9FJ0C01402025	J	470 35V Electrolytic	AG
C718	9FJ0C12001005	J	1000p 50V Polyester FilmAD	
C719	9FJ0C01401675	J	330 35V Electrolytic	AF
C720	9FJ0C50011295	J	0.01 250V Ceramic	AE
C721	9FJ0C50011295	J	0.01 250V Ceramic	AE
C722	9FJ0C01110123	J	3300 10V Electrolytic	AE
C723	9FJ0C01410113	J	1000 35V Electrolytic	AK
C724	9FJ0C01401595	J	220 35V Electrolytic	AF
C725	9FJ0C01202325	J	220 16V Electrolytic	AE
C726	9FJ0C12001015	J	0.01 50V Polyester FilmAD	
C727	9FJ0C01202280	J	2200 16V Electrolytic	AE
C728	9FJ0C50002185	J	0.1 50V Polyester FilmAD	
C729	9FJ0C50002185	J	0.1 50V Polyester FilmAD	
C730	9FJ0C50002185	J	0.1 50V Polyester FilmAD	
C731	9FJ0C01510525	J	47 50V Electrolytic	AD
C732	9FJ0C50011295	J	0.01 250V Ceramic	AE
C733	9FJ0C01410113	J	1000 35V Electrolytic	AK
C734	9FJ0C01401985	J	100 35V Electrolytic	AE
C735	9FJ0C12001015	J	0.01 50V Polyester FilmAD	
C736	9FJ0C01401595	J	220 35V Electrolytic	AF
C737	9FJ0C50002185	J	0.1 50V Polyester FilmAD	
C738	9FJ0C50002185	J	0.1 50V Polyester FilmAD	
C739	9FJ0C01402025	J	470 35V Electrolytic	AG
C740	9FJ0C01510515	J	220 50V Electrolytic	AF
C741	9FJ0C01401985	J	100 35V Electrolytic	AE
C742	9FJ0C01510525	J	47 50V Electrolytic	AD
⚠C743	9FJ0C51000020	J	2200p 250V Ceramic	AE
⚠C744	9FJ0C51000020	J	2200p 250V Ceramic	AE
C745	9FJ0C01401985	J	100 35V Electrolytic	AE
C746	9FJ0C50010760	J	470p 1kV Ceramic	AE
C747	9FJ0C50010760	J	470p 1kV Ceramic	AE
C749	9FJ0C12001015	J	0.01 50V Polyester FilmAD	
C750	9FJ0C12001015	J	0.01 50V Polyester FilmAD	

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MODEL XG-3910E/EA POWER UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
C751	9FJ0C12001015	J	0.01 50V Polyester Film	AD
C752	9FJ0C12001015	J	0.01 50V Polyester Film	AD
C753	9FJ0C32310130	J	0.047 250V M. Polyester	AE
⚠C754	9FJ0C51000020	J	2200p 250V Ceramic	AE
⚠C755	9FJ0C51000020	J	2200p 250V Ceramic	AE
C756	9FJ0C50011295	J	0.01 250V Ceramic	AE
C757	9FJ0C50011295	J	0.01 250V Ceramic	AE
C758	9FJ0C50011295	J	0.01 250V Ceramic	AE
C760	9FJ0C01510535	J	1 50V Electrolytic	AD
⚠C761	9FJ0C51010153	J	0.01 1kV Ceramic	AE
⚠C762	9FJ0C51010153	J	0.01 1kV Ceramic	AE

RESISTORS

⚠R701	9FJ0R11002045	J	220k	1W	Special Power	AD
R702	9FJ0R22110310	J	10	5W	Cement	AG
R703	9FJ0R70000034	J	10	5W	130°C Cement	AK
⚠R704	9FJ0R12002061	J	330k	2W	Special Power	AD
⚠R705	9FJ0R12002061	J	330k	2W	Special Power	AD
R706	9FJ0R00101135	J	4.7k	1/6W	Carbon	AB
R707	9FJ0R00101135	J	4.7k	1/6W	Carbon	AB
R708	9FJ0R17071251	J	15k	2W	Metal Oxide	AD
R709	9FJ0R17071251	J	15k	2W	Metal Oxide	AD
R710	9FJ0R02103645	J	560k	1/2W	Carbon	AC
R711	9FJ0R02103645	J	560k	1/2W	Carbon	AC
R712	9FJ0R17070731	J	100	2W	Metal Oxide	AD
R713	9FJ0R16080555	J	18	1W	Metal Oxide	AD
R714	9FJ0R00100695	J	68	1/6W	Carbon	AB
R715	9FJ0R17071251	J	15k	2W	Metal Oxide	AD
R716	9FJ0R17071251	J	15k	2W	Metal Oxide	AD
R717	9FJ0R02103645	J	560k	1/2W	Carbon	AC
R718	9FJ0R02103645	J	560k	1/2W	Carbon	AC
R719	9FJ0R16010035	J	82k	1W	Metal Oxide	AC
R720	9FJ0R16010035	J	82k	1W	Metal Oxide	AC
R721	9FJ0R17070651	J	47	2W	Metal Oxide	AD
R722	9FJ0R16080615	J	33	1W	Metal Oxide	AD
R724	9FJ0R02103565	J	120k	1/2W	Carbon	AC
R725	9FJ0R02103565	J	120k	1/2W	Carbon	AC
R727	9FJ0R00100935	J	680	1/4W	Carbon	AB
R728	9FJ0R02103335	J	1.5k	1/2W	Carbon	AC
R729	9FJ0R00101215	J	10k	1/6W	Carbon	AB
R730	9FJ0R02103315	J	1k	1/2W	Carbon	AC
R732	9FJ0R00101135	J	4.7k	1/6W	Carbon	AB
R733	9FJ0R00101075	J	2.7k	1/6W	Carbon	AB
R734	9FJ0R00100895	J	470	1/6W	Carbon	AB
R735	9FJ0R00100495	J	10	1/6W	Carbon	AB
R736	9FJ0R00100975	J	1k	1/6W	Carbon	AB
R737	9FJ0R00101055	J	2.2k	1/6W	Carbon	AB
R738	9FJ0R00100815	J	220	1/6W	Carbon	AB
R739	9FJ0R00101215	J	10k	1/6W	Carbon	AB
R740	9FJ0R00101215	J	10k	1/6W	Carbon	AB
R741	9FJ0R00101055	J	2.2k	1/6W	Carbon	AB
R742	9FJ0R17070351	J	2.7	2W	Metal Oxide	AD
R743	9FJ0R00101035	J	1.8k	1/6W	Carbon	AB
R744	9FJ0R16081016	J	1.5k	1W	Metal Oxide	AC
⚠R745	9FJ0R31110025	J	8.2M	1/2W	Coat-Insulated Fixed Anti-Surge	AD
⚠R746	9FJ0R31110025	J	8.2M	1/2W	Coat-Insulated Fixed Anti-Surge	AD
R747	9FJ0R00100815	J	220	1/6W	Carbon	AB
R748	9FJ0R00101215	J	10k	1/6W	Carbon	AB
R749	9FJ0R00101135	J	4.7k	1/6W	Carbon	AB
R750	9FJ0R00101135	J	4.7k	1/6W	Carbon	AB
R751	9FJ0R17070651	J	47	2W	Metal Oxide	AD
R752	9FJ0R17070651	J	47	2W	Metal Oxide	AD
R754	9FJ0R17071251	J	15k	2W	Metal Oxide	AD
R755	9FJ0R17071251	J	15k	2W	Metal Oxide	AD
R756	9FJ0R16080735	J	100	1W	Metal Oxide	AD
R757	9FJ0R16080735	J	100	1W	Metal Oxide	AD
R758	9FJ0R16080615	J	33	1W	Metal Oxide	AD
R759	9FJ0R17070351	J	2.7	2W	Metal Oxide	AD
R760	9FJ0R16010035	J	82k	1W	Metal Oxide	AC
R761	9FJ0R00101215	J	10k	1/6W	Carbon	AB
R762	9FJ0R00101215	J	10k	1/6W	Carbon	AB
R763	9FJ0R00100735	J	100	1/6W	Carbon	AB
R764	9FJ0R00100655	J	47	1/6W	Carbon	AB
R765	9FJ0R17070251	J	1	2W	Metal Oxide	AD

SWITCH

⚠SW701	9FJ0H01010060	J	Power switch	AP

MISCELLANEOUS PARTS

⚠F701	9FJ0E01910320	J	Fuse T6.3A 250V	AH
F706	9FJ0H39010025	J	Circuit Protector 0.8A	AF
⚠RY701	9FJ0H11510410	J	Relay AC120V/DC12V	AR
	9FJ0G10001750	J	Connector 3-pin (PE)	AK
	9FJ0G10011600	J	Connector 3-pin (BA)	AD
	9FJ0G10002710	J	Connector 2-pin (PC)	AD
	9FJ0G10001640	J	Connector 2-pin (PS)	AD
	9FJ0G10001750	J	Connector 3-pin (PL)	AE
	9FJ0G10011570	J	Connector 8-pin (EA)	AF
	9FJ0G10011580	J	Connector 4-pin (EF)	AE
	9FJ0G10011590	J	Connector 5-pin (EV)	AE
	9FJ0G10003730	J	Connector 3-pin (EG)	AE

RDENC0169CEZZ
MODEL XV-3410S POWER UNIT

Ref. No.	Part No.	★	Description	Code
INTEGRATED CIRCUITS				
⚠IC701	9FJ0F09010030	J	MA2820	AU
⚠IC702	9FJ0F09010030	J	MA2820	AU
IC704	9FJ0F01110285	J	TA76431S	AG
IC705	9FJ0F01110285	J	TA76431S	AG
TRANSISTORS				
TR702	9FJ0Q02001071	J	2SC2785	AD
TR703	9FJ0Q02001071	J	2SC2785	AD
TR706	9FJ0Q00010180	J	2SA1567	AL
TR707	9FJ0Q02001071	J	2SC2785	AD
TR708	9FJ0Q02001071	J	2SC2785	AD
TR709	9FJ0Q02001071	J	2SC2785	AD
DIODES				
D701	9FJ0D00000085	J	Diode	AC
D702	9FJ0D00000085	J	Diode	AC
D703	9FJ0D00000085	J	Diode	AC
D704	9FJ0D01001515	J	Diode	AD
D705	9FJ0D04001020	J	Diode	AH
D706	9FJ0D23010022	J	Diode	AH
D707	9FJ0D23010022	J	Diode	AH
D708	9FJ0D02010000	J	Diode	AF
D709	9FJ0D01001515	J	Diode	AD
D710	9FJ0D00000085	J	Diode	AC
D711	9FJ0D00000085	J	Diode	AC
D712	9FJ0D00000085	J	Diode	AC
⚠DB701	9FJ0D14010070	J	Bridge Diode D10XB60	AN
ZD701	9FJ0D31181625	J	Zener Diode RD10JS	AD
ZD702	9FJ0D31181655	J	Zener Diode RD15JS	AD
ZD703	9FJ0D31110125	J	Zener Diode RD5.1JS	AD
ZD704	9FJ0D31110125	J	Zener Diode RD5.1JS	AD
PACKAGED CIRCUITS				
⚠PC701	9FJ0F10010931	J	Photo Coupler TLP721	AG
⚠PC702	9FJ0F10010931	J	Photo Coupler TLP721	AG
PC703	9FJ0F10010670	J	Photo Coupler TLP621	AG
⚠PC704	9FJ0F10010931	J	Photo Coupler TLP721	AG
⚠PC705	9FJ0F10010460	J	Photo Triac Coupler S21ME3 or TLP665J	AM
COIL AND TRANSFORMERS				
⚠L701	9FJ0L05901080	J	Inductor 2mH	AQ
L703	9FJ0L08001440	J	Inductor 5.6µH	AG
L704	9FJ0L08001440	J	Inductor 5.6µH	AG
L705	9FJ0L08001440	J	Inductor 5.6µH	AG
L706	9FJ0L08001440	J	Inductor 5.6µH	AG
L707	9FJ0L08010145	J	Inductor 8.2µH	AD
L708	9FJ0L08010150	J	Inductor CM05RB02	AK

Ref. No.	Part No.	★	Description	Code
⚠T701	9FJ0L00010100	J	Trans. 050100	AR
⚠T702	9FJ0L00010110	J	Trans. 050101	AR
CONTROLS				
VR701	9FJ0R60001245	J	500 6.5V Adj.	AE
VR702	9FJ0R60001255	J	1k 13V Adj.	AE
CAPACITORS				
⚠C701	9FJ0C34010663	J	0.47 250V M. Polyester	AK
⚠C702	9FJ0C34010663	J	0.47 250V M. Polyester	AK
C703	9FJ0C51000020	J	2200p 250V Ceramic	AE
C704	9FJ0C51000020	J	2200p 250V Ceramic	AE
C705	9FJ0C51000020	J	2200p 250V Ceramic	AE
⚠C706	9FJ0C02810593	J	470 400V Electrolytic	AY
⚠C707	9FJ0C02810593	J	470 400V Electrolytic	AY
C709	9FJ0C32410080	J	0.022 400V M. Polyester	AE
C710	9FJ0C12001305	J	0.022 50V Polyester Film	AD
C711	9FJ0C12001015	J	0.01 50V Polyester Film	AD
C712	9FJ0C12001015	J	0.01 50V Polyester Film	AD
C713	9FJ0C32410080	J	0.022 400V M. Polyester	AE
C714	9FJ0C12001305	J	0.022 50V Polyester Film	AD
C715	9FJ0C12001015	J	0.01 50V Polyester Film	AD
C716	9FJ0C12001015	J	0.01 50V Polyester Film	AD
C717	9FJ0C01402025	J	470 35V Electrolytic	AG
C718	9FJ0C12001005	J	1000p 50V Polyester Film	AD
C719	9FJ0C01401675	J	330 35V Electrolytic	AF
C720	9FJ0C50011295	J	0.01 250V Ceramic	AE
C721	9FJ0C50011295	J	0.01 250V Ceramic	AE
C722	9FJ0C01110123	J	1000 10V Electrolytic	AE
C723	9FJ0C01410113	J	1000 35V Electrolytic	AK
C724	9FJ0C01401595	J	220 35V Electrolytic	AF
C726	9FJ0C12001015	J	0.01 50V Polyester Film	AD
C727	9FJ0C01202325	J	2200 16V Electrolytic	AE
C728	9FJ0C50002185	J	0.1 50V Polyester Film	AD
C730	9FJ0C50002185	J	0.1 50V Polyester Film	AD
C731	9FJ0C01510525	J	47 50V Electrolytic	AD
C732	9FJ0C50011295	J	0.01 250V Ceramic	AE
C733	9FJ0C01410113	J	1000 35V Electrolytic	AK
C735	9FJ0C12001015	J	0.01 50V Polyester Film	AD
C736	9FJ0C01401595	J	220 35V Electrolytic	AF
C737	9FJ0C50002185	J	0.1 50V Polyester Film	AD
C739	9FJ0C01402025	J	470 35V Electrolytic	AG
C740	9FJ0C01510515	J	220 50V Electrolytic	AF
C741	9FJ0C01401985	J	100 35V Electrolytic	AE
C742	9FJ0C01510525	J	47 50V Electrolytic	AD
⚠C743	9FJ0C51000020	J	2200p 250V Ceramic	AE
⚠C744	9FJ0C51000020	J	2200p 250V Ceramic	AE
C745	9FJ0C01401985	J	100 35V Electrolytic	AE
C746	9FJ0C50010760	J	470p 1kV Ceramic	AE
C747	9FJ0C50010760	J	470p 1kV Ceramic	AE
C749	9FJ0C12001015	J	0.01 50V Polyester Film	AD
C750	9FJ0C12001015	J	0.01 50V Polyester Film	AD
C751	9FJ0C12001015	J	0.01 50V Polyester Film	AD
C752	9FJ0C12001015	J	0.01 50V Polyester Film	AD
C753	9FJ0C32310130	J	0.047 250V M. Polyester	AE
⚠C754	9FJ0C51000020	J	2200p 250V Ceramic	AE

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MODEL XV-3410S POWER UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
⚠C755	9FJ0C51000020	J	2200p 250V Ceramic	AE
C756	9FJ0C50011295	J	0.01 250V Ceramic	AE
C757	9FJ0C50011295	J	0.01 250V Ceramic	AE
C758	9FJ0C50011295	J	0.01 250V Ceramic	AE
C760	9FJ0C01510535	J	1 50V Electrolytic	AD
⚠C761	9FJ0C51010153	J	0.01 1kV Ceramic	AE
⚠C762	9FJ0C51010153	J	0.01 1kV Ceramic	AE

RESISTORS

⚠R701	9FJ0R11002045	J	220k	1W	Special	AD
R702	9FJ0R22110310	J	10	5W	Cement	AG
R703	9FJ0R70000034	J	10	5W	130°C Cement	AK
⚠R704	9FJ0R12002061	J	330k	2W	Special	AD
⚠R705	9FJ0R12002061	J	330k	2W	Special	AD
R706	9FJ0R00101135	J	4.7k	1/6W	Carbon	AB
R707	9FJ0R00101135	J	4.7k	1/6W	Carbon	AB
R708	9FJ0R17071251	J	15k	2W	Metal Oxide	AD
R709	9FJ0R17071251	J	15k	2W	Metal Oxide	AD
R710	9FJ0R02103645	J	560k	1/2W	Carbon	AC
R711	9FJ0R02103645	J	560k	1/2W	Carbon	AC
R712	9FJ0R17070731	J	100	2W	Metal Oxide	AD
R713	9FJ0R16080555	J	18	1W	Metal Oxide	AD
R714	9FJ0R00100695	J	68	1/6W	Carbon	AB
R715	9FJ0R17071251	J	15k	2W	Metal Oxide	AD
R716	9FJ0R17071251	J	15k	2W	Metal Oxide	AD
R717	9FJ0R02103645	J	560k	1/2W	Carbon	AC
R718	9FJ0R02103645	J	560k	1/2W	Carbon	AC
R719	9FJ0R16010035	J	82k	1W	Metal Oxide	AC
R720	9FJ0R16010035	J	82k	1W	Metal Oxide	AC
R721	9FJ0R17070651	J	47	2W	Metal Oxide	AD
R722	9FJ0R16080615	J	33	1W	Metal Oxide	AD
R724	9FJ0R02103565	J	120k	1/2W	Carbon	AC
R725	9FJ0R02103565	J	120k	1/2W	Carbon	AC
R727	9FJ0R00100935	J	680	1/4W	Carbon	AB
R728	9FJ0R02103335	J	1.5k	1/2W	Carbon	AC
R729	9FJ0R00101215	J	10k	1/6W	Carbon	AB
R730	9FJ0R02103315	J	1k	1/2W	Carbon	AC
R732	9FJ0R00101135	J	4.7k	1/6W	Carbon	AB
R733	9FJ0R00101075	J	2.7k	1/6W	Carbon	AB
R734	9FJ0R00100895	J	470	1/6W	Carbon	AB
R735	9FJ0R00100495	J	10	1/6W	Carbon	AB
R736	9FJ0R00100975	J	1k	1/6W	Carbon	AB
R737	9FJ0R00101055	J	2.2k	1/6W	Carbon	AB
R738	9FJ0R00100815	J	220	1/6W	Carbon	AB
R739	9FJ0R00101215	J	10k	1/6W	Carbon	AB
R740	9FJ0R00101215	J	10k	1/6W	Carbon	AB
R741	9FJ0R00101055	J	2.2k	1/6W	Carbon	AB
R742	9FJ0R17070351	J	2.7	2W	Metal Oxide	AD
R743	9FJ0R00101035	J	1.8k	1/6W	Carbon	AB
R744	9FJ0R00101135	J	4.7k	1/6W	Carbon	AB
⚠R745	9FJ0R31110025	J	8.2M	1/2W	Coat-Insulated Fixed Anti-Surge	AD
⚠R746	9FJ0R31110025	J	8.2M	1/2W	Coat-Insulated Fixed Anti-Surge	AD
R747	9FJ0R00100815	J	220	1/6W	Carbon	AB
R748	9FJ0R00101215	J	10k	1/6W	Carbon	AB
R749	9FJ0R00101135	J	4.7k	1/6W	Carbon	AB
R750	9FJ0R00101135	J	4.7k	1/6W	Carbon	AB
R751	9FJ0R17070651	J	47	2W	Metal Oxide	AD
R752	9FJ0R17070651	J	47	2W	Metal Oxide	AD
R754	9FJ0R17071251	J	15k	2W	Metal Oxide	AD
R755	9FJ0R17071251	J	15k	2W	Metal Oxide	AD
R756	9FJ0R16080735	J	100	1W	Metal Oxide	AD
R757	9FJ0R16080735	J	100	1W	Metal Oxide	AD
R758	9FJ0R16080615	J	33	1W	Metal Oxide	AD
R759	9FJ0R17070351	J	2.7	2W	Metal Oxide	AD
R760	9FJ0R16010035	J	82k	1W	Metal Oxide	AC
R761	9FJ0R00101215	J	10k	1/6W	Carbon	AB
R762	9FJ0R00101215	J	10k	1/6W	Carbon	AB
R763	9FJ0R00100735	J	100	1/6W	Carbon	AB
R764	9FJ0R00100655	J	47	1/6W	Carbon	AB
R765	9FJ0R17070251	J	1	2W	Metal Oxide	AD

SWITCH

⚠SW701	9FJ0H01010060	J	Main Power Switch	AP

MISCELLANEOUS PARTS

⚠F701	9FJ0E01910320	J	Fuse, T6.3A 250V	AH
⚠RY701	9FJ0H11510410	J	Relay, AC120V/DC12V	AR
	9FJ0G10001750	J	Connector 3-pin (PE)	AK
	9FJ0G10011600	J	Connector 3-pin (BA)	AD
	9FJ0G10002710	J	Connector 2-pin (PC)	AD
	9FJ0G10001640	J	Connector 2-pin (PS)	AD
	9FJ0G10001750	J	Connector 3-pin (PL)	AE
	9FJ0G10011570	J	Connector 8-pin (EA)	AF
	9FJ0G10011580	J	Connector 4-pin (EF)	AE

Ref. No.	Part No.	★	Description	Code

RDENC0210CEZZ
MODELS XG-3910E/EA BALLAST UNIT

ASSEMBLY UNIT

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

⚠SUBPC	9FJ8G00010730	J	Sub Unit, CP-022	AY

TRANSISTORS

⚠Q1701	9FJ0Q11001440	J	2SK2057	AU
Q1702	9FJ0Q02001351	J	2SC3328Y	AG
Q1703	9FJ0Q02001071	J	2SC2785	AD

DIODES

D1702	9FJ0D01001515	J	Diode EG01Z	AD
D1703	9FJ0D26010080	J	Diode FMG36S	AL
D1704	9FJ0D01001515	J	Diode EG01Z	AD

PACKAGED CIRCUITS

⚠PC1701	9FJ0F10010931	J	Photo Coupler TLP721	AG
⚠PC1702	9FJ0F10010931	J	Photo Coupler TLP721	AG
⚠SCR1701	9FJ0D30910020	J	SCR K1V22W	AQ

COIL AND TRANSFORMERS

⚠L1701	9FJ0L08110010	J	Inductor 850108	AR
L1704	9FJ0L08001430	J	Inductor FBR06VA850NA	AF
⚠L1707	9FJ0L05010510	J	Inductor 15mH ELF18D850D	AU
⚠T1701	9FJ0L01501000	J	Trans. 150100	AN
⚠T1702	9FJ0B00010080	J	Igniter SMI-SZ-01B	BQ

CAPACITORS

C1701	9FJ0C50010760	J	470p	2kV	Ceramic	AE
C1702	9FJ0C12001035	J	0.1	50V	Polyester Film	AD
C1703	9FJ0C32410040	J	2.2	400V	M. Polyester	AN
C1704	9FJ0C32401070	J	0.1	400V	M. Polyester	AF
C1706	9FJ0C50010760	J	470p	2kV	Ceramic	AE
C1707	9FJ0C02801413	J	220	400V	Electrolytic	AV
⚠C1711	9FJ0C51000020	J	2200p	250V	Ceramic	AE
⚠C1712	9FJ0C51000020	J	2200p	250V	Ceramic	AE
C1713	9FJ0C32410080	J	0.022	400V	M. Polyester	AE
C1714	9FJ0C32410080	J	0.022	400V	M. Polyester	AE
⚠C1715	9FJ0C32410070	J	0.1	400V	M. Polyester	AF
C1751	9FJ0C12001015	J	0.01	50V	Polyester Film	AD
C1800	9FJ0C50002185	J	0.1	50V	Ceramic	AD
C1801	9FJ0C50002185	J	0.1	50V	Ceramic	AD
C1802	9FJ0C50010725	J	1000p	1kV	Ceramic	AD

RESISTORS

R1701	9FJ0R22001250	J	0.33	5W	Cement	AF
R1702	9FJ0R17070571	J	22	2W	Metal Oxide	AD
R1703	9FJ0R11002055	J	270k	1W	Special Power	AD
R1704	9FJ0R11002045	J	220k	1W	Special Power	AD
R1705	9FJ0R22104184	J	12k	5W	Cement	AG
R1706	9FJ0R15080655	J	47	1/2W	Metal Oxide	AC
R1707	9FJ0R17070841	J	300	2W	Metal Oxide	AD
R1708	9FJ0R17070841	J	300	2W	Metal Oxide	AD
R1709	9FJ0R00100615	J	33	1/6W	Carbon	AB
R1710	9FJ0R00101315	J	27k	1/6W	Carbon	AB
⚠R1711	9FJ0R22110044	J	0.18	5W	Cement	AF
⚠R1712	9FJ0R22110044	J	0.18	5W	Cement	AF
⚠R1713	9FJ0R12002061	J	330k	2W	Coat-Insulated High Megohm Fixed Resistor	AD
R1715	9FJ0R15080975	J	1k	1/2W	Metal Oxide	AC
R1716	9FJ0R17070411	J	4.7	2W	Metal Oxide	AD
R1717	9FJ0R22110320	J	1	5W	Cement	AF
R1756	9FJ0R00100855	J	330	1/6W	Carbon	AB

MISCELLANEOUS PARTS

F1701	9FJ0F39010025	J	Circuit Protector 0.8A	AF
⚠TF1701	9FJ0E03010060	J	Thermal Fuse P125A	AG
	9FJ0G10011560	J	Connector 4-pin (PL)	AE
	9FJ0G10001640	J	Connector 2-pin (PS)	AD
	9FJ0G10002140	J	Connector 3-pin (D)	AE

Ref. No.	Part No.	★	Description	Code

RDENC0177CEZZ
MODEL XV-3410S BALLAST UNIT

ASSEMBLY UNIT

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

⚠ SUBPC	9FJ0G00010400	J	Sub-Unit, CP-022	BA

TRANSISTORS

⚠ Q1701	9FJ0Q11001442	J	2SK2057	AW
Q1702	9FJ0Q02001351	J	2SC3328Y	AG
Q1703	9FJ0Q02001071	J	2SC2785	AD

DIODES

D1702	9FJ0D01001515	J	Diode EG01Z	AD
D1703	9FJ0D26010080	J	Diode FMG36S	AL
D1704	9FJ0D01001515	J	Diode EG01Z	AD

PACKAGED CIRCUITS

⚠ PC1701	9FJ0F10010931	J	Photo Coupler TLP721	AG
⚠ PC1702	9FJ0F10010931	J	Photo Coupler TLP721	AG
⚠ SCR1701	9FJ0D30910020	J	SCR K1V22W	AQ

COIL AND TRANSFORMERS

⚠ L1701	9FJ0L08110010	J	Inductor	AR
L1704	9FJ0L08001430	J	Inductor	AF
⚠ L1707	9FJ0L05010510	J	Inductor 15mH	AU
⚠ T1701	9FJ0L01501000	J	Trans. 150100	AN
⚠ T1702	9FJ0B00010080	J	Igniter SMI-SZ-01B	BQ

CAPACITORS

C1701	9FJ0C50010760	J	470p	2kV	Ceramic	AE
C1702	9FJ0C12001035	J	0.1	50V	Polyester Film	AD
C1703	9FJ0C32410040	J	2.2	400V	M. Polyester	AN
C1704	9FJ0C32401070	J	0.1	400V	M. Polyester	AF
C1706	9FJ0C50010760	J	470p	2kV	Ceramic	AE
C1707	9FJ0C02801413	J	220	400V	Electrolytic	AV
⚠ C1711	9FJ0C51000020	J	2200p	250V	Ceramic	AE
⚠ C1712	9FJ0C51000020	J	2200p	250V	Ceramic	AE
C1713	9FJ0C32410080	J	0.022	400V	M. Polyester	AE
C1714	9FJ0C32410080	J	0.022	400V	M. Polyester	AE
⚠ C1715	9FJ0C32410070	J	0.1	400V	M. Polyester	AF
C1751	9FJ0C12001015	J	0.01	50V	Polyester Film	AD
C1800	9FJ0C50002185	J	0.1	50V	Polyester Film	AD
C1801	9FJ0C50002185	J	0.1	50V	Polyester Film	AD
C1802	9FJ0C50010725	J	1000p	1kV	Ceramic	AD

RESISTORS

R1701	9FJ0R22001250	J	0.33	5W	Cement	AF
R1702	9FJ0R17070571	J	22	2W	Metal Oxide	AD
R1703	9FJ0R11002055	J	270k	1W	Special	AD
R1704	9FJ0R11002045	J	220k	1W	Special	AD
R1705	9FJ0R22104184	J	12k	5W	Cement	AG
R1706	9FJ0R15080655	J	47	1/2W	Metal Oxide	AC
R1707	9FJ0R17070841	J	300	2W	Metal Oxide	AD
R1708	9FJ0R17070841	J	300	2W	Metal Oxide	AD
R1709	9FJ0R00100615	J	33	1/6W	Carbon	AB
R1710	9FJ0R00101335	J	33k	1/6W	Carbon	AB
⚠ R1711	9FJ0R22110044	J	0.18	5W	Cement	AF
⚠ R1712	9FJ0R22110044	J	0.18	5W	Cement	AF
⚠ R1713	9FJ0R12002061	J	330k	2W	Coat-Insulated High Megohm Fixed Resistor	AD
R1715	9FJ0R15080975	J	1k	1/2W	Metal Oxide	AC
R1716	9FJ0R17070411	J	4.7	2W	Metal Oxide	AD
R1717	9FJ0R22110320	J	1	5W	Metal Oxide	AF
R1756	9FJ0R00100855	J	330	1/6W	Carbon	AB

MISCELLANEOUS PARTS

⚠ TF1701	9FJ0E03010060	J	Thermal Fuse, P125A	AG
	9FJ0G10011560	J	Connector 4-pin (PL)	AE
	9FJ0G10001640	J	Connector 2-pin (PS)	AD
	9FJ0G10002140	J	Connector 3-pin (D)	AE

RPCi-0018CEZZ

MODELS XG-3910E/EA PC I/F UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC8001	9DK001-10011	J	One Chip CPU HD407A4359S	BE
IC8002	9DK001-15022	J	Voltage Regulator PQ05TZ51	AR
IC8004	9DK001-15018	J	Voltage Regulator HA179L05U	AM
IC8005	9DK001-15022	J	Voltage Regulator PQ05TZ51	AR
IC8006	9DK001-15019	J	Voltage Regulator HA178L08UA	AL
IC8007	9DK001-11012	J	E2PROM AT24C16N-10SC	AY
IC8008	9DK001-15006	J	Reset PST529C	AN
IC8012	9DK001-15016	J	RGB Cable Driver LT1260CS	BL
IC8013	9DK001-12001	J	TTL SN74ALS1034NS	AG
IC8014	9DK001-12025	J	TTL SN74LS164NS	AP
IC8015	9DK001-12043	J	TTL SN74LS00NS	AG
IC8016	9DK001-15030	J	Video Amp. MM1205XD	AX
IC8017	9DK001-15025	J	A/D Converter MB40528PF	BP
IC8018	9DK001-15025	J	A/D Converter MB40528PF	BP
IC8019	9DK001-15025	J	A/D Converter MB40528PF	BP
IC8020	9DK001-15027	J	OP Amp. NJM3403AV	AQ
IC8021	9DK001-14004	J	Gate Array iX2690CE	BM
IC8024	9DK001-15015	J	PLL TLC29321PW	AX
IC8025	9DK001-11006	J	Field Memory MSM518222-25ZS	BH
IC8026	9DK001-11006	J	Field Memory MSM518222-25ZS	BH
IC8027	9DK001-11006	J	Field Memory MSM518222-25ZS	BH
IC8028	9DK001-11006	J	Field Memory MSM518222-25ZS	BH
IC8029	9DK001-11006	J	Field Memory MSM518222-25ZS	BH
IC8030	9DK001-11006	J	Field Memory MSM518222-25ZS	BH
IC8031	9DK001-14002	J	Gate Array iX2145CE	BA
IC8032	9DK001-12040	J	TTL HD74HC04FP	AH
IC8033	9DK001-12041	J	TTL HD74HC32FP	AH
IC8034	9DK001-11007	J	Line Memory HM63021FP-34	BB
IC8035	9DK001-11007	J	Line Memory HM63021FP-34	BB
IC8036	9DK001-11007	J	Line Memory HM63021FP-34	BB
IC8037	9DK001-11007	J	Line Memory HM63021FP-34	BB
IC8038	9DK001-11007	J	Line Memory HM63021FP-34	BB
IC8039	9DK001-11007	J	Line Memory HM63021FP-34	BB
IC8040	9DK001-15021	J	D/A Converter HD49307	AR
IC8041	9DK001-15021	J	D/A Converter HD49307	AR
IC8042	9DK001-14005	J	Gate Array iX2691CE	BL
IC8043	9DK001-15008	J	Comparator TL712CPS	AP
IC8044	9DK001-15008	J	Comparator TL712CPS	AP
IC8045	9DK001-15008	J	Comparator TL712CPS	AP

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q8001	9DK001-20007	J	2SC2996O	AE
Q8002	9DK001-20008	J	FET 2SK2062	AN
Q8003	9DK001-20007	J	2SC2996O	AE
Q8004	9DK001-20007	J	2SC2996O	AE
Q8005	9DK001-20007	J	2SC2996O	AE
Q8007	9DK001-20008	J	FET 2SK2062	AN
Q8008	9DK001-20007	J	2SC2996O	AE
Q8009	9DK001-20007	J	2SC2996O	AE
Q8010	9DK001-20007	J	2SC2996O	AE
Q8011	9DK001-20007	J	2SC2996O	AE
Q8012	9DK001-20007	J	2SC2996O	AE
Q8013	9DK001-20007	J	2SC2996O	AE
Q8014	9DK001-20007	J	2SC2996O	AE
Q8015	9DK001-20007	J	2SC2996O	AE

DIODES

Ref. No.	Part No.	★	Description	Code
D8001	9DK001-30001	J	Diode 1SS193	AC
D8002	9DK001-30001	J	Diode 1SS193	AC
D8003	9DK001-30001	J	Diode 1SS193	AC
D8004	9DK001-30001	J	Diode 1SS193	AC
D8005	9DK001-30001	J	Diode 1SS193	AC
D8006	9DK001-30001	J	Diode 1SS193	AC
D8007	9DK001-30001	J	Diode 1SS193	AC
D8008	9DK001-30007	J	Diode 1SS319	AH
D8009	9DK001-30007	J	Diode 1SS319	AH
D8010	9DK001-30001	J	Diode 1SS193	AC
D8011	9DK001-30001	J	Diode 1SS193	AC
D8012	9DK001-30001	J	Diode 1SS193	AC
D8013	9DK001-30001	J	Diode 1SS193	AC
D8014	9DK001-30001	J	Diode 1SS193	AC
D8015	9DK001-30001	J	Diode 1SS193	AC

PACKAGED CIRCUIT

Ref. No.	Part No.	★	Description	Code
X8001	9DK001-80005	J	Crystal 25 MHz	AS

COILS

Ref. No.	Part No.	★	Description	Code
FL8001	9DK001-82008	J	Filter NFA41R00C470	AG
FL8002	9DK001-82008	J	Filter NFA41R00C470	AG
FL8003	9DK001-82008	J	Filter NFM40R01C470	AG
FL8004	9DK001-82012	J	Filter NFM61R10T102	AK
FL8005	9DK001-82012	J	Filter NFM61R10T102	AK
FL8006	9DK001-82014	J	Filter NFM41P	AK
FL8007	9DK001-82014	J	Filter NFM41P	AK
FL8008	9DK001-82014	J	Filter NFM41P	AK
FL8009	9DK001-82014	J	Filter NFM41P	AK
FL8010	9DK001-50041	J	0 ohm Jumper	AB
FL8011	9DK001-82009	J	Filter NFM40R01C220	AH
FL8012	9DK001-82015	J	Filter NFM51R00P506	AL
FL8013	9DK001-82008	J	Filter NFM40R01C470	AG
FL8014	9DK001-82008	J	Filter NFA41R00C470	AG
L8001	9DK001-81018	J	Inductor 470µH	AQ
L8002	9DK001-81014	J	Inductor 1mH	AK
L8003	9DK001-81011	J	Inductor 470µH	AK
L8004	9DK001-81006	J	Inductor 15µH	AF
L8005	9DK001-81013	J	Inductor 100µH	AN

CONTROLS

Ref. No.	Part No.	★	Description		Code
R8063	9DK001-52005	J	10k	Contrast	AH
R8066	9DK001-52005	J	10k	Red Level	AH
R8068	9DK001-50008	J	2.2k		AA
R8069	9DK001-50008	J	2.2k		AA

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Ref. No.	Part No.	★	Description	Code
R8071	9DK001-52005	J	10k Blue Level	AH
R8072	9DK001-50008	J	2.2k	AA

CAPACITORS

Ref. No.	Part No.	★				Code
C8001	9DK001-42004	J	0.1	25V	Ceramic	AA
C8002	9DK001-40022	J	220	16V	Electrolytic	AG
C8003	9DK001-40026	J	100	16V	Electrolytic	AL
C8004	9DK001-42004	J	0.1	25V	Ceramic	AA
C8005	9DK001-42004	J	0.1	25V	Ceramic	AA
C8006	9DK001-40025	J	100	6.3V	Electrolytic	AH
C8007	9DK001-42004	J	0.1	25V	Ceramic	AA
C8008	9DK001-40026	J	100	16V	Electrolytic	AL
C8011	9DK001-40026	J	100	16V	Electrolytic	AL
C8012	9DK001-42004	J	0.1	25V	Ceramic	AA
C8013	9DK001-42004	J	0.1	25V	Ceramic	AA
C8014	9DK001-40029	J	22	16V	Electrolytic	AC
C8015	9DK001-40026	J	100	16V	Electrolytic	AL
C8016	9DK001-42004	J	0.1	25V	Ceramic	AA
C8017	9DK001-40037	J	220	6.3V	Electrolytic	AH
C8018	9DK001-40037	J	220	6.3V	Electrolytic	AH
C8019	9DK001-42004	J	0.1	25V	Ceramic	AA
C8020	9DK001-40026	J	100	16V	Electrolytic	AL
C8021	9DK001-42004	J	0.1	25V	Ceramic	AA
C8022	9DK001-42004	J	0.1	25V	Ceramic	AA
C8023	9DK001-40026	J	100	16V	Electrolytic	AL
C8024	9DK001-42004	J	0.1	25V	Ceramic	AA
C8025	9DK001-42004	J	0.1	25V	Ceramic	AA
C8026	9DK001-42004	J	0.1	25V	Ceramic	AA
C8027	9DK001-42004	J	0.1	25V	Ceramic	AA
C8028	9DK001-42004	J	0.1	25V	Ceramic	AA
C8029	9DK001-42004	J	0.1	25V	Ceramic	AA
C8030	9DK001-42004	J	0.1	25V	Ceramic	AA
C8031	9DK001-42004	J	0.1	25V	Ceramic	AA
C8032	9DK001-42004	J	0.1	25V	Ceramic	AA
C8033	9DK001-42004	J	0.1	25V	Ceramic	AA
C8034	9DK001-42004	J	0.1	25V	Ceramic	AA
C8035	9DK001-42004	J	0.1	25V	Ceramic	AA
C8036	9DK001-40024	J	10	50V	Electrolytic	AH
C8037	9DK001-42004	J	0.1	25V	Ceramic	AA
C8038	9DK001-40024	J	10	50V	Electrolytic	AH
C8039	9DK001-42004	J	0.1	25V	Ceramic	AA
C8040	9DK001-40024	J	10	50V	Electrolytic	AH
C8041	9DK001-42004	J	0.1	25V	Ceramic	AA
C8042	9DK001-42002	J	47p	50V	Ceramic	AA
C8043	9DK001-42002	J	47p	50V	Ceramic	AA
C8044	9DK001-42002	J	47p	50V	Ceramic	AA
C8045	9DK001-42004	J	0.1	25V	Ceramic	AA
C8046	9DK001-40023	J	10	16V	Electrolytic	AG
C8047	9DK001-42004	J	0.1	25V	Ceramic	AA
C8048	9DK001-42004	J	0.1	25V	Ceramic	AA
C8049	9DK001-42004	J	0.1	25V	Ceramic	AA
C8050	9DK001-40024	J	10	50V	Electrolytic	AH
C8051	9DK001-42043	J	0.01	50V	Ceramic	AC
C8052	9DK001-40024	J	10	50V	Electrolytic	AH
C8053	9DK001-42043	J	0.01	50V	Ceramic	AC
C8054	9DK001-40024	J	10	50V	Electrolytic	AH
C8055	9DK001-42043	J	0.01	50V	Ceramic	AC
C8056	9DK001-40023	J	10	16V	Electrolytic	AG
C8057	9DK001-40034	J	330	16V	Electrolytic	AK
C8058	9DK001-42004	J	0.1	25V	Ceramic	AA
C8059	9DK001-40022	J	220	16V	Electrolytic	AG
C8060	9DK001-40034	J	330	16V	Electrolytic	AK
C8061	9DK001-42004	J	0.1	25V	Ceramic	AA
C8062	9DK001-42004	J	0.1	25V	Ceramic	AA
C8063	9DK001-42004	J	0.1	25V	Ceramic	AA
C8064	9DK001-42004	J	0.1	25V	Ceramic	AA
C8065	9DK001-42004	J	0.1	25V	Ceramic	AA
C8066	9DK001-42004	J	0.1	25V	Ceramic	AA
C8067	9DK001-42004	J	0.1	25V	Ceramic	AA
C8068	9DK001-40034	J	330	16V	Electrolytic	AK
C8069	9DK001-42004	J	0.1	25V	Ceramic	AA
C8070	9DK001-42004	J	0.1	25V	Ceramic	AA
C8071	9DK001-42004	J	0.1	25V	Ceramic	AA
C8072	9DK001-42004	J	0.1	25V	Ceramic	AA
C8073	9DK001-40034	J	330	16V	Electrolytic	AK
C8074	9DK001-42004	J	0.1	25V	Ceramic	AA
C8075	9DK001-42004	J	0.1	25V	Ceramic	AA
C8076	9DK001-42004	J	0.1	25V	Ceramic	AA
C8077	9DK001-42004	J	0.1	25V	Ceramic	AA
C8078	9DK001-40023	J	10	16V	Electrolytic	AG
C8079	9DK001-40030	J	4.7	35V	Electrolytic	AG
C8080	9DK001-42004	J	0.1	25V	Ceramic	AA
C8082	9DK001-42004	J	0.1	25V	Ceramic	AA
C8083	9DK001-42004	J	0.1	25V	Ceramic	AA
C8084	9DK001-42004	J	0.1	25V	Ceramic	AA
C8085	9DK001-42004	J	0.1	25V	Ceramic	AA
C8086	9DK001-40030	J	4.7	35V	Electrolytic	AG
C8087	9DK001-42004	J	0.1	25V	Ceramic	AA
C8089	9DK001-42004	J	0.1	25V	Ceramic	AA
C8090	9DK001-42004	J	0.1	25V	Ceramic	AA
C8091	9DK001-42004	J	0.1	25V	Ceramic	AA
C8092	9DK001-42004	J	0.1	25V	Ceramic	AA
C8093	9DK001-40030	J	4.7	35V	Electrolytic	AG
C8094	9DK001-42004	J	0.1	25V	Ceramic	AA
C8096	9DK001-42004	J	0.1	25V	Ceramic	AA
C8097	9DK001-42004	J	0.1	25V	Ceramic	AA
C8098	9DK001-42004	J	0.1	25V	Ceramic	AA
C8099	9DK001-42004	J	0.1	25V	Ceramic	AA
C8100	9DK001-40037	J	220	6.3V	Electrolytic	AH
C8101	9DK001-42004	J	0.1	25V	Ceramic	AA
C8102	9DK001-40037	J	220	6.3V	Electrolytic	AH
C8103	9DK001-42004	J	0.1	25V	Ceramic	AA
C8104	9DK001-40037	J	220	6.3V	Electrolytic	AH
C8105	9DK001-42004	J	0.1	25V	Ceramic	AA
C8106	9DK001-40028	J	22	6.3V	Electrolytic	AG
C8107	9DK001-42004	J	0.1	25V	Ceramic	AA
C8108	9DK001-42010	J	30p	50V	Ceramic	AC
C8109	9DK001-42010	J	30p	50V	Ceramic	AC
C8111	9DK001-42004	J	0.1	25V	Ceramic	AA

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Ref. No.	Part No.	★	Description	Code
C8112	9DK001-42004	J	0.1 25V Ceramic	AA
C8113	9DK001-42004	J	0.1 25V Ceramic	AA
C8114	9DK001-42004	J	0.1 25V Ceramic	AA
C8115	9DK001-42004	J	0.1 25V Ceramic	AA
C8116	9DK001-42004	J	0.1 25V Ceramic	AA
C8117	9DK001-42004	J	0.1 25V Ceramic	AA
C8118	9DK001-42004	J	0.1 25V Ceramic	AA
C8119	9DK001-42004	J	0.1 25V Ceramic	AA
C8120	9DK001-42004	J	0.1 25V Ceramic	AA
C8121	9DK001-42052	J	22p 50V Ceramic	AC
C8122	9DK001-42004	J	0.1 25V Ceramic	AA
C8124	9DK001-42053	J	0.47 . Tantalum	AC
C8125	9DK001-42004	J	0.1 25V Ceramic	AA
C8126	9DK001-42004	J	0.1 25V Ceramic	AA
C8127	9DK001-42004	J	0.1 25V Ceramic	AA
C8128	9DK001-42004	J	0.1 25V Ceramic	AA
C8129	9DK001-42004	J	0.1 25V Ceramic	AA
C8130	9DK001-42004	J	0.1 25V Ceramic	AA
C8131	9DK001-42004	J	0.1 25V Ceramic	AA
C8132	9DK001-40037	J	220 6.3V Electrolytic	AH
C8133	9DK001-42004	J	0.1 25V Ceramic	AA
C8134	9DK001-42004	J	0.1 25V Ceramic	AA
C8135	9DK001-42004	J	0.1 25V Ceramic	AA
C8136	9DK001-42004	J	0.1 25V Ceramic	AA
C8137	9DK001-42004	J	0.1 25V Ceramic	AA
C8138	9DK001-42002	J	47p 50V Ceramic	AA
C8139	9DK001-42051	J	10p 50V Ceramic	AD
C8140	9DK001-42004	J	0.1 25V Ceramic	AA
C8141	9DK001-42004	J	0.1 25V Ceramic	AA
C8142	9DK001-42004	J	0.1 25V Ceramic	AA
C8143	9DK001-42004	J	0.1 25V Ceramic	AA
C8144	9DK001-42004	J	0.1 25V Ceramic	AA
C8145	9DK001-42004	J	0.1 25V Ceramic	AA
C8146	9DK001-42004	J	0.1 25V Ceramic	AA
C8147	9DK001-42004	J	0.1 25V Ceramic	AA
C8148	9DK001-42004	J	0.1 25V Ceramic	AA
C8149	9DK001-42025	J	2200p 50V Ceramic	AB
C8150	9DK001-42025	J	2200p 50V Ceramic	AB
C8151	9DK001-42025	J	2200p 50V Ceramic	AB
C8152	9DK001-42025	J	2200p 50V Ceramic	AB
C8153	9DK001-42025	J	2200p 50V Ceramic	AB
C8154	9DK001-42025	J	2200p 50V Ceramic	AB
C8155	9DK001-42025	J	2200p 50V Ceramic	AB
C8156	9DK001-42025	J	2200p 50V Ceramic	AB
C8157	9DK001-42025	J	2200p 50V Ceramic	AB
C8158	9DK001-40023	J	10 16V Electrolytic	AG
C8159	9DK001-40023	J	10 16V Electrolytic	AG
C8160	9DK001-40023	J	10 16V Electrolytic	AG
C8161	9DK001-42025	J	2200p 50V Ceramic	AB
C8162	9DK001-42025	J	2200p 50V Ceramic	AB
C8163	9DK001-42025	J	2200p 50V Ceramic	AB
C8164	9DK001-42025	J	2200p 50V Ceramic	AB
C8165	9DK001-42025	J	2200p 50V Ceramic	AB
C8166	9DK001-42025	J	2200p 50V Ceramic	AB
C8167	9DK001-42025	J	2200p 50V Ceramic	AB
C8168	9DK001-42025	J	2200p 50V Ceramic	AB
C8169	9DK001-42025	J	2200p 50V Ceramic	AB
C8170	9DK001-40023	J	10 16V Electrolytic	AG
C8171	9DK001-40023	J	10 16V Electrolytic	AG
C8172	9DK001-40023	J	10 16V Electrolytic	AG
C8173	9DK001-40023	J	10 16V Electrolytic	AG
C8174	9DK001-40026	J	100 16V Electrolytic	AL
C8175	9DK001-42004	J	0.1 25V Ceramic	AA
C8176	9DK001-42004	J	0.1 25V Ceramic	AA
C8177	9DK001-42004	J	0.1 25V Ceramic	AA
C8178	9DK001-42004	J	0.1 25V Ceramic	AA
C8179	9DK001-42051	J	10p 50V Ceramic	AD
C8180	9DK001-42051	J	10p 50V Ceramic	AD
C8181	9DK001-42051	J	10p 50V Ceramic	AD
C8182	9DK001-42051	J	10p 50V Ceramic	AD
C8183	9DK001-42051	J	10p 50V Ceramic	AD
C8184	9DK001-42051	J	10p 50V Ceramic	AD
C8186	9DK001-42004	J	0.1 25V Ceramic	AA
C8187	9DK001-42004	J	0.1 25V Ceramic	AA
C8188	9DK001-42004	J	0.1 25V Ceramic	AA
C8189	9DK001-42004	J	0.1 25V Ceramic	AA
C8190	9DK001-42004	J	0.1 25V Ceramic	AA
C8191	9DK001-42004	J	0.1 25V Ceramic	AA
C8192	9DK001-42004	J	0.1 25V Ceramic	AA
C8193	9DK001-40037	J	220 6.3V Electrolytic	AH
C8194	9DK001-42004	J	0.1 25V Ceramic	AA

RESISTORS

R8001	9DK001-50004	J	100 1/10W .		AA
R8002	9DK001-50004	J	100 1/10W .		AA
R8003	9DK001-50004	J	100 1/10W .		AA
R8004	9DK001-50004	J	100 1/10W .		AA
R8005	9DK001-50004	J	100 1/10W .		AA
R8006	9DK001-50004	J	100 1/10W .		AA
R8007	9DK001-50004	J	100 1/10W .		AA
R8008	9DK001-50004	J	100 1/10W .		AA
R8009	9DK001-50004	J	100 1/10W .		AA
R8010	9DK001-50012	J	10k 1/10W .		AA
R8011	9DK001-50050	J	47k 1/10W .		AC
R8012	9DK001-50013	J	22k 1/10W .		AA
R8013	9DK001-50046	J	10 2W .		AE
R8014	9DK001-50079	J	10 3W .		AG
R8015	9DK001-50014	J	75 1/4W .		AA
R8016	9DK001-50014	J	75 1/4W .		AA
R8017	9DK001-50014	J	75 1/4W .		AA
R8018	9DK001-50011	J	5.6k 1/10W .		AA
R8019	9DK001-50007	J	1k 1/10W .		AA
R8020	9DK001-50007	J	1k 1/10W .		AA
R8021	9DK001-50007	J	1k 1/10W .		AA
R8022	9DK001-50093	J	3.9k 1/10W .		AB
R8023	9DK001-50008	J	2.2k 1/10W .		AA
R8024	9DK001-50007	J	1k 1/10W .		AA
R8025	9DK001-50093	J	3.9k 1/10W .		AB
R8026	9DK001-50008	J	2.2k 1/10W .		AA

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Ref. No.	Part No.	★	Description	Code
R8027	9DK001-50004	J	100 1/10W .	AA
R8028	9DK001-50093	J	3.9k 1/10W .	AB
R8029	9DK001-50008	J	2.2k 1/10W .	AA
R8033	9DK001-50012	J	10k 1/10W .	AA
R8034	9DK001-50013	J	22k 1/10W .	AA
R8035	9DK001-50013	J	22k 1/10W .	AA
R8036	9DK001-50008	J	2.2k 1/10W .	AA
R8037	9DK001-50013	J	22k 1/10W .	AA
R8038	9DK001-50013	J	22k 1/10W .	AA
R8039	9DK001-50008	J	2.2k 1/10W .	AA
R8040	9DK001-50013	J	22k 1/10W .	AA
R8041	9DK001-50013	J	22k 1/10W .	AA
R8042	9DK001-50008	J	2.2k 1/10W .	AA
R8043	9DK001-50020	J	120 1/10W .	AA
R8044	9DK001-50020	J	120 1/10W .	AA
R8045	9DK001-50020	J	120 1/10W .	AA
R8046	9DK001-50008	J	2.2k 1/10W .	AA
R8047	9DK001-50008	J	2.2k 1/10W .	AA
R8048	9DK001-50008	J	2.2k 1/10W .	AA
R8049	9DK001-50008	J	2.2k 1/10W .	AA
R8050	9DK001-50008	J	2.2k 1/10W .	AA
R8051	9DK001-50008	J	2.2k 1/10W .	AA
R8052	9DK001-50014	J	75 1/4W .	AA
R8053	9DK001-50014	J	75 1/4W .	AA
R8054	9DK001-50014	J	75 1/4W .	AA
R8055	9DK001-50002	J	33 1/10W .	AA
R8057	9DK001-50002	J	33 1/10W .	AA
R8058	9DK001-50012	J	10k 1/10W .	AA
R8059	9DK001-50002	J	33 1/10W .	AA
R8060	9DK001-50048	J	3.3k 1/10W .	AB
R8061	9DK001-50007	J	1k 1/10W .	AA
R8063	*See Controls*			
R8064	9DK001-50021	J	0 1/10W Jumper	AB
R8065	9DK001-50012	J	10k 1/10W .	AA
R8066	*See Controls*			
R8067	9DK001-50008	J	2.2k 1/10W .	AA
R8068	*See Controls*			
R8069	*See Controls*			
R8070	9DK001-50012	J	10k 1/10W .	AA
R8071	*See Controls*			
R8072	*See Controls*			
R8075	9DK001-50030	J	390 1/10W .	AB
R8078	9DK001-50030	J	390 1/10W .	AB
R8081	9DK001-50030	J	390 1/10W .	AB
R8082	9DK001-50004	J	100 1/10W .	AA
R8083	9DK001-50004	J	100 1/10W .	AA
R8084	9DK001-50004	J	100 1/10W .	AA
R8088	9DK001-50021	J	0 1/10W Jumper	AB
R8089	9DK001-50059	J	2k 1/10W .	AC
R8090	9DK001-50059	J	2k 1/10W .	AC
R8091	9DK001-50052	J	47 1/10W .	AC
R8092	9DK001-50029	J	330 1/10W .	AB
R8093	9DK001-50006	J	560 1/10W .	AA
R8094	9DK001-50021	J	0 1/10W Jumper	AB
R8095	9DK001-50017	J	220 1/10W .	AA
R8097	9DK001-50012	J	10k 1/10W .	AA
R8098	9DK001-50021	J	0 1/10W Jumper	AB
R8101	9DK001-50021	J	0 1/10W Jumper	AB
R8102	9DK001-50020	J	120 1/10W .	AA
R8103	9DK001-50048	J	3.3k 1/10W .	AB
R8104	9DK001-50008	J	2.2k 1/10W .	AA
R8106	9DK001-50006	J	560 1/10W .	AA
R8107	9DK001-50012	J	10k 1/10W .	AA
R8108	9DK001-50017	J	220 1/10W .	AA
R8109	9DK001-50021	J	0 1/10W Jumper	AB
R8110	9DK001-50017	J	220 1/10W .	AA
R8111	9DK001-50075	J	75 1/10W .	AB
R8112	9DK001-50075	J	75 1/10W .	AB
R8113	9DK001-50008	J	2.2k 1/10W .	AA
R8114	9DK001-50008	J	2.2k 1/10W .	AA
R8115	9DK001-50006	J	560 1/10W .	AA
R8116	9DK001-50025	J	2.7k 1/10W .	AB
R8117	9DK001-50034	J	6.8k 1/10W .	AB
R8118	9DK001-50031	J	470 1/10W .	AB
R8119	9DK001-50010	J	4.7k 1/10W .	AA
R8120	9DK001-50031	J	470 1/10W .	AB
R8121	9DK001-50029	J	330 1/10W .	AA
R8122	9DK001-50017	J	220 1/10W .	AA
R8123	9DK001-50017	J	220 1/10W .	AA
R8124	9DK001-50017	J	220 1/10W .	AA
R8125	9DK001-50017	J	220 1/10W .	AA
R8126	9DK001-50017	J	220 1/10W .	AA
R8127	9DK001-50012	J	10k 1/10W .	AA
R8128	9DK001-50049	J	1.5k 1/10W .	AB
R8129	9DK001-50012	J	10k 1/10W .	AA
R8130	9DK001-50014	J	75 1/4W .	AA
R8131	9DK001-50014	J	75 1/4W .	AA
R8132	9DK001-50014	J	75 1/4W .	AA
R8133	9DK001-50061	J	3.4k 1/10W .	AC
R8134	9DK001-50014	J	75 1/4W .	AA
R8135	9DK001-50014	J	75 1/4W .	AA
R8136	9DK001-50014	J	75 1/4W .	AA
R8137	9DK001-50061	J	3.4k 1/10W .	AC
R8138	9DK001-50008	J	2.2k 1/10W .	AA
R8139	9DK001-50008	J	2.2k 1/10W .	AA
R8140	9DK001-50008	J	2.2k 1/10W .	AA
R8141	9DK001-50008	J	2.2k 1/10W .	AA
R8142	9DK001-50008	J	2.2k 1/10W .	AA
R8143	9DK001-50008	J	2.2k 1/10W .	AA
R8144	9DK001-50001	J	10 1/10W .	AA
R8149	9DK001-50002	J	33 1/10W .	AA
R8152	9DK001-50033	J	1.2k 1/10W .	AB
R8153	9DK001-50007	J	1k 1/10W .	AA
R8154	9DK001-50007	J	1k 1/10W .	AA
R8155	9DK001-50007	J	1k 1/10W .	AA
R8156	9DK001-50007	J	1k 1/10W .	AA
R8157	9DK001-50007	J	1k 1/10W .	AA
R8158	9DK001-50007	J	1k 1/10W .	AA
R8159	9DK001-50078	J	24k 1/10W .	AB

RPCi-0018CEZZ

MODELS XG-3910E/EⒶ PC I/F UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R8162	9DK001-50012	J	10k 1/10W .	AA
R8163	9DK001-50012	J	10k 1/10W .	AA
R8164	9DK001-50012	J	10k 1/10W .	AA
R8165	9DK001-50012	J	10k 1/10W .	AA
R8166	9DK001-50012	J	10k 1/10W .	AA
R8167	9DK001-50012	J	10k 1/10W .	AA
R8168	9DK001-50012	J	10k 1/10W .	AA
R8169	9DK001-50012	J	10k 1/10W .	AA
R8170	9DK001-50012	J	10k 1/10W .	AA
R8171	9DK001-50012	J	10k 1/10W .	AA
R8172	9DK001-50012	J	10k 1/10W .	AA
R8173	9DK001-50012	J	10k 1/10W .	AA
R8174	9DK001-50012	J	10k 1/10W .	AA
R8175	9DK001-50012	J	10k 1/10W .	AA
R8176	9DK001-50012	J	10k 1/10W .	AA
R8177	9DK001-50012	J	10k 1/10W .	AA
R8178	9DK001-50012	J	10k 1/10W .	AA
R8179	9DK001-50012	J	10k 1/10W .	AA
R8180	9DK001-50012	J	10k 1/10W .	AA
R8181	9DK001-50012	J	10k 1/10W .	AA
R8182	9DK001-50011	J	5.6k 1/10W .	AA
R8183	9DK001-50011	J	5.6k 1/10W .	AA
R8184	9DK001-50011	J	5.6k 1/10W .	AA
R8185	9DK001-50011	J	5.6k 1/10W .	AA
R8186	9DK001-50012	J	10k 1/10W .	AA
R8187	9DK001-50012	J	10k 1/10W .	AA
R8188	9DK001-50012	J	10k 1/10W .	AA
R8189	9DK001-50012	J	10k 1/10W .	AA
R8190	9DK001-50012	J	10k 1/10W .	AA
R8191	9DK001-50012	J	10k 1/10W .	AA
R8192	9DK001-50012	J	10k 1/10W .	AA
R8193	9DK001-50012	J	10k 1/10W .	AA
R8194	9DK001-50078	J	24k 1/10W .	AB
R8195	9DK001-50069	J	15k 1/10W .	AB
R8197	9DK001-50107	J	12k 1/10W .	AB
R8199	9DK001-50021	J	0 1/10W Jumper	AB
R8200	9DK001-50021	J	0 1/10W Jumper	AB
R8203	9DK001-50021	J	0 1/10W Jumper	AB
R8204	9DK001-50021	J	0 1/10W Jumper	AB
R8205	9DK001-50021	J	0 1/10W Jumper	AB
R8206	9DK001-50021	J	0 1/10W Jumper	AB
R8300	9DK001-50108	J	15k 1/8W .	AB
R8301	9DK001-50069	J	15k 1/10W .	AB
R8302	9DK001-50069	J	15k 1/10W .	AB
RA8009	9DK001-51020	J	120 1/16W Resistor Array	AD
RA8010	9DK001-51020	J	120 1/16W Resistor Array	AD
RA8011	9DK001-51020	J	120 1/16W Resistor Array	AD
RA8012	9DK001-51020	J	120 1/16W Resistor Array	AD
RA8013	9DK001-51020	J	120 1/16W Resistor Array	AD
RA8014	9DK001-51020	J	120 1/16W Resistor Array	AD
RA8015	9DK001-51015	J	330 1/16W Resistor Array	AF
RA8016	9DK001-51015	J	330 1/16W Resistor Array	AF
RA8017	9DK001-51015	J	330 1/16W Resistor Array	AF
RA8018	9DK001-51015	J	330 1/16W Resistor Array	AF
RA8019	9DK001-51015	J	330 1/16W Resistor Array	AF
RA8020	9DK001-51015	J	330 1/16W Resistor Array	AF
RA8033	9DK001-51016	J	560 1/16W Resistor Array	AF
RA8034	9DK001-51016	J	560 1/16W Resistor Array	AF
RA8035	9DK001-51016	J	560 1/16W Resistor Array	AF
RA8036	9DK001-51016	J	560 1/16W Resistor Array	AF
RA8037	9DK001-51016	J	560 1/16W Resistor Array	AF
RA8038	9DK001-51016	J	560 1/16W Resistor Array	AF

SWITCH

S8001	9DK001-70004	J	Slide Switch	AS

MISCELLANEOUS PARTS

CN1	9DK001-60004	J	Connector 15-pin PC IN	AS
CN2	9DK001-60004	J	Connector 15-pin PC OUT	AS
CN8201	9DK001-60012	J	Connector 12-pin (PC)	AK
FB8001	9DK001-81016	J	Inductor BLM21A121S	AG
FB8003	9DK001-81015	J	Inductor BLM31B601S	AG
FB8004	9DK001-81015	J	Inductor BLM31B601S	AG
FB8005	9DK001-81015	J	Inductor BLM31B601S	AG
FB8006	9DK001-81015	J	Inductor BLM31B601S	AG
FB8007	9DK001-81016	J	Inductor BLM21A121S	AG
FB8008	9DK001-81016	J	Inductor BLM21A121S	AG
FB8009	9DK001-81015	J	Inductor BLM31B601S	AG
FB8010	9DK001-81015	J	Inductor BLM31B601S	AG
FB8011	9DK001-81016	J	Inductor BLM21A121S	AG
FB8012	9DK001-81016	J	Inductor BLM21A121S	AG
P8001	9DK001-84012	J	Pin Header 2-pin	AL
TP8001	9DK001-84013	J	Test Point	AC
TP8002	9DK001-84013	J	Test Point	AC
TP8003	9DK001-84013	J	Test Point	AC
TP8004	9DK001-84013	J	Test Point	AC
TP8005	9DK001-84013	J	Test Point	AC
TP8006	9DK001-84013	J	Test Point	AC
TP8007	9DK001-84013	J	Test Point	AC
TP8008	9DK001-84013	J	Test Point	AC
TP8009	9DK001-84013	J	Test Point	AC
	9DK001-60015	J	Connector 5-pin (CS)	AH
	9DK001-60016	J	Connector 10-pin (PA)	AL
	9DK001-60005	J	Connector 7-pin (PD)	AF
	9DK001-60012	J	Connector 12-pin (PC)	AK
	9DK001-60014	J	Connector 5-pin (EV)	AK
	9DK001-90016	J	Shield Case-A PSLDM4374CEFW	AY
	9DK001-90017	J	Shield Case-B PSLDM4375CEFW	AX

CABINET AND MECHANICAL PARTS
MODELS XG-3910E/EA

Ref. No.	Part No.	★	Description	Code
1	CBDYF1062CEK4	J	Front Body Ass'y (XG-3910E)	AZ
1	CBDYF1062CEK5	J	Front Body Ass'y (XG-3910EA)	AZ
1-1	*Not Available*	–	Front Body	—
1-2	*Not Used*			
1-3	HiNDP4439CESA	J	Indication Plate, LED	AF
1-4	JBTN-1839CESD	J	Button, Power	AE
1-5	LHLDZ1816CEKD	J	Rib	AD
1-6	MSPRC0146CEFW	J	Spring, Power Button	AC
1-7	PGIDM0017CE00	J	Guide, Button	AB
1-8	LHLDZ1827CEKZ	J	Holder, x2	AD
1-9	*Not Used*			
1-10	XEPSD40P12000	J	Screw, x2	AA
1-11	PSPAZ0149CEZZ	J	Spacer, x2	AB
1-12	LHLDZ1850CEKD	J	Rib	AD
2	CBDYR1046CEK2	J	Rear Body Ass'y (XG-3910E)	BM
2	CBDYR1046CEK3	J	Rear Body Ass'y (XG-3910EA)	BM
2-1	*Not Available*	–	Rear Body	—
2-2	HiNDP4679CESC	J	Indication Plate, Jack	AG
2-3	HiNDP4763CESB	J	Indication Plate, PC	AG
2-4	HiNDP4732CESA	J	Model Label (XG-3910E)	AH
2-4	HiNDP4809CESA	J	Model Label (XG-3910EA)	AH
2-5	PCOVZ1020CEKC	J	Cover	AD
2-6	HiNDP4368CESB	J	Indication Plate, Power Sw.	AC
3	CBDYT1062CEK1	J	Top Body Ass'y (XG-3910E)	BZ
3	CBDYT1062CEK2	J	Top Body Ass'y (XG-3910EA)	BZ
3-1	*Not Available*	–	Top Body	—
3-2	GLEGG9053CESA	J	Leg, Top x4	AC
3-3	GLEGG9052CESA	J	Leg, Rear x2	AC
3-4	HBDGB3107CESA	J	Badge, "SHARP"	AL
3-5	HiNDP4637CESJ	J	Indication Plate, Caution	AD
3-6	LX-TZ3060CESE	J	Screw, x2	AD
3-7	LHLDZ1834CEZZ	J	Rib	AD
3-8	LHLDZ1845CEZZ	J	Rib	AD
3-9	PMLT-0149CE00	J	Spacer, x4	AB
3-10	PMLT-0158CEZZ	J	Spacer, x3	AB
3-11	*Not Used*			
3-12	LHLDZ1767CEKZ	J	Boss, x7	AD
3-13	PSLDM9105CEZZ	J	Shield Spacer (XG-3910E)	AY
3-13	PMLT-0200CEZZ	J	Spacer (XG-3910EA)	AE
4	CBDYU1060CEK2	J	Bottom Body Ass'y (XG-3910E)	CE
4	CBDYU1060CEK3	J	Bottom Body Ass'y (XG-3910EA)	CE
4-1	*Not Available*	–	Bottom Body	—
4-2	CCOVA1477CE15	J	Fan Cover Ass'y	AS
4-3	PFILD0027CEZZ	J	Filter	AF
4-4	PFILD0024CEZZ	J	Filter Cover	AF
4-5	GLEGP9083CESA	J	Leg, Left-Front	AM
4-6	GLEGP9084CESA	J	Leg, Right-Front	AM
4-7	GLEGP9085CESA	J	Leg, Left-Rear	AM
4-8	GLEGP9086CESA	J	Leg, Right-Rear	AM
4-9	XEPSD40P10000	J	Screw, x3	AA
4-10	LANGF9453CEFW	J	Angle, Handle	AE
4-11	LANGK0471CEFW	J	Leg Angle-A, x2	AD
4-12	LANGK0472CEFW	J	Leg Angle-B, x2	AD
4-13	LANGS0097CEFW	J	Angle, Speaker Holder-A	AD
4-14	LANGS0098CEFW	J	Angle, Speaker Holder-B	AD
4-15	LHLDL1002CEKD	J	Holder, Handle	AM
4-16	LHLDZ1777CEKZ	J	Holder	AE
4-17	LX-BZ3292CEFF	J	Screw, x8	AA
4-18	QCNW-4340CEZZ	J	Connecting Wire, (SP)	AC
4-19	QSW-Z0050CEZZ	J	Membrane Switch	AX
4-20	VSP0080P-H4WA	J	Speaker	AM
4-21	QCNW-3907CEZZ	J	Connecting Wire, Leaf Sw.	AK
4-22	XEBSD26P08000	J	Screw, x1	AA
4-23	XTASF40P16000	J	Screw, x3	AA
4-24	XTBSD40P30000	J	Screw, x4	AA
4-25	PSPAZ0146CEZZ	J	Spacer	AC
4-26	PSPAZ0147CEZZ	J	Spacer	AC
4-27	PMLT-0149CE00	J	Spacer, x2	AB
4-28	PMLT-0158CEZZ	J	Spacer, x2	AB
4-29	*Not Used*			
4-30	PCOVU1015CE00	J	Light Shielding Cover, x11	AA
4-31	*Not Used*			
4-32	*Not Used*			
4-33	LANGK0487CEFW	J	Angle, Shift Cover	AD
4-34	LANGK0488CEFW	J	Angle, Shift Cover	AD
4-35	*Not Used*			
4-36	*Not Used*			
4-37	PSPAZ0148CEZZ	J	Spacer	AC
4-38	XTTSD40P12000	J	Screw, x2	AA
5	CCHSK0039CE01	J	Optics Mech. Ass'y	CP
5-1	LCHSK0040CEKZ	J	Unit Cover	BE
5-2	LCHSK0039CEKZ	J	Unit Base	BF
5-3	CANGT2073CE01	J	Angle, R/B	AX
5-4	LANGT2074CEFW	J	Angle, G	AM
5-5	CCHSK0029CE02	J	Lens Shift Unit	BG
5-6	PMIR-0151CEZZ	J	Mirror-1, R-Reflector	BC
5-7	PMIR-0108CEZZ	J	Mirror-2, B-Reflector	BB
5-8	PMIR-0109CEZZ	J	Mirror-3, Total Reflector	AN
5-9	PMIR-0137CEZZ	J	Mirror-4, Total Reflector	AM
5-10	PMIR-0111CEZZ	J	Mirror-5, B-Reflector	BC
5-11	PMIR-0112CEZZ	J	Mirror-6, R/B-Reflector	BE
5-12	PFILW0118CEZZ	J	UV/IR Cut-off Filter	BB
5-13	LHLDZ1971CEKZ	J	Field Lens Frame, x3	AH
5-14	PLNS-0069CEZZ	J	Field Lens, x3	BC
5-15	NFANR0060CE00	J	Fan	BA
5-16	XEPSD40P35000	J	Screw M4X35, x4	AB
5-17	LANGF9501CEFW	J	Reinforcing Plate	AK
5-18	PSPAF0018CEFD	J	Fan Spacer, x4	AC
5-19	PZETV0646CEZZ	J	Shield Plate	AE
5-20	LHLDW1001CEZZ	J	Wire Holder, WH1001, x3	AC
5-21	LHLDW1019CEZZ	J	Wire Holder, WH1019, x1	AA
5-22	MSPRP1158CEFW	J	Leaf Spring, x17	AC

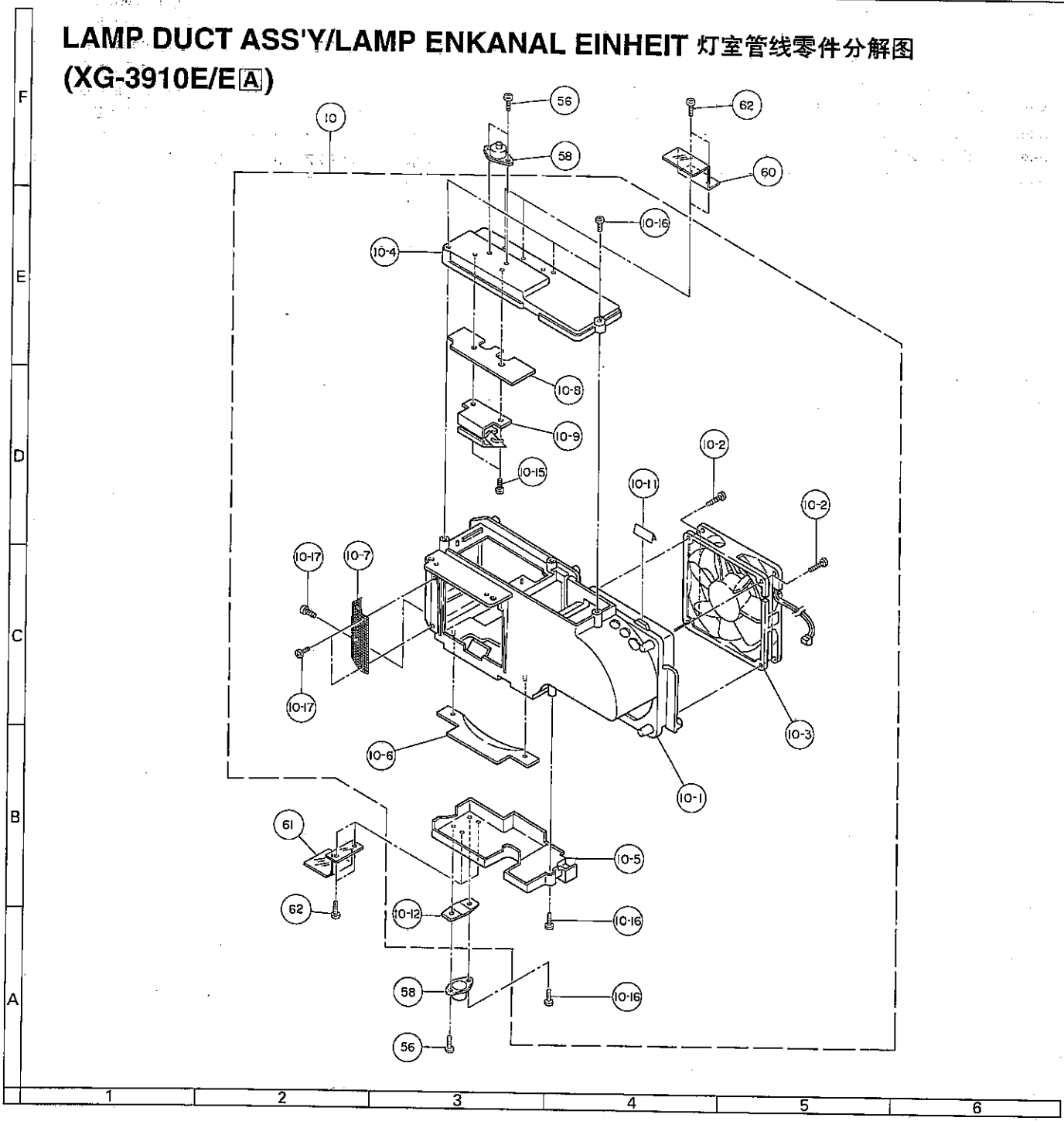
CABINET AND MECHANICAL PARTS
MODELS XG-3910E/EA (Continued)

Ref. No.	Part No.	★	Description	Code
5-23	*Not Used*			
5-24	XBPSD40P08JS0	J	Screw M4X8, with Flat/Special Washer x6	AA
5-25	LH-HZ3095CEFD	J	Screw M4X16, P-Tight with Flat Washer, x10	AC
5-26	XBTSD40P12000	J	Screw M4X16, x11	AA
5-27	LX-WZ3184CEFD	J	Washer, x15	AB
5-28	LHLDZ1969CEKZ	J	Holder-Top	AQ
5-29	LHLDZ1970CEKZ	J	Holder-Bottom	AQ
5-30	LHLDW1093GEZZ	J	Wire Holder, WH1093, x1	AB
5-31	LX-BZ3351CEFF	J	Screw M4X8 with Special/Flat Washer x11	AA
5-32	XHPSD30P06WS0	J	Screw M3X6, x2	AA
5-33	XEBSF30P12000	J	Screw M3X12 P-Tight, x2	AA
5-34	LX-WZ1027CEZZ	J	Washer PET, x10	AB
5-35	GNETC0153CEZZ	J	Dust Proof Net	AN
5-36	XEPSF40P12000	J	Screw, x2	AA
5-37	MSPRP1170CEFW	J	Leaf Spring, x1	AF
6	PLNS-0088CESA	J	Projection Lens	CM
7	CCOVA1480CE14	J	Rear Cover Ass'y	AU
7-1	*Not Available*	–	Terminal Cover	—
7-2	*Not Available*	–	Polystyrene Sack	—
8	CCOVA1604CEK4	J	Side Fan Cover Ass'y	BA
8-1	*Not Available*	–	Side Fan Cover	—
8-2	QCNW-3906CEZZ	J	Leaf Switch	AK
8-3	XEBSD26P08000	J	Screw, x1	AA
9	CCOVA1603CEK9	J	Lamp Cover Ass'y	AV
9-1	*Not Available*	–	Lamp Cover	—
9-2	LX-UZ3021CESD	J	Screw, x1	AE
9-3	XRESJ30-06000	J	E-Ring, x1	AA
10	CCOVZ1060CEK3	J	Lamp Duct Ass'y	BM
10-1	*Not Available*	–	Lamp Duct	—
10-2	XEBSF40P16000	J	Screw, x4	AA
10-3	NFANR0017CE00	J	Fan	BC
10-4	PCOVZ1067CEKZ	J	Duct Cover, Top	AM
10-5	PCOVZ1068CEKZ	J	Duct Cover, Bottom	AK
10-6	PMIR-0128CEFW	J	Mirror (R68DMI)	AQ
10-7	HPNC-0408CEFW	J	Punching	AG
10-8	LANGH0136CEFW	J	Heat Shield Plate	AD
10-9	CANGH0134CE01	J	Active Fin	AM
10-10	*Not Used*			
10-11	PSPAT0010CEZZ	J	Teflon Tape	AA
10-12	PSPAZ0192CEKZ	J	Spacer	AF
10-13	*Not Used*			
10-14	*Not Used*			
10-15	XEPSD30P06000	J	Screw, x2	AA
10-16	XEPSF30P10000	J	Screw, x5	AA
10-17	XEPSN30P05000	J	Screw, x3	AB
10-18	*Not Used*			
⚠11	BQC-XG3910E/1	J	Lamp Unit (Lamp/Cage Module)	CG
⚠11-1	CLMPF0041DE01	J	Lamp/Mirror Ass'y	CC
11-2	CHLDZ1987CEK3	J	Lamp Case Ass'y, Top	AS
11-3	LHLDZ2001CEKZ	J	Lamp Case, Lower	AR
11-4	LX-BZ3270CEFN	J	Screw, x1	AA
11-5	LX-NZ3108CEFN	J	Nut	AA
11-6	LX-WZ3102CEFN	J	Washer	AA
11-7	MSPRB0022CEFW	J	Spring	AD
11-8	QPLGN0156FJZZ	J	Plug	AN
11-9	PRDAR1499CEFW	J	Heat Sink	AC
12	LANGT2082CEFW	J	Angle, LCD R/B	AK
13	LANGT2083CEFW	J	Angle, LCD G	AK
14	*Not Used*			
15	*Not Used*			
16	PFILW0127CEZZ	J	Polarizer Input Filter, G	BD
17	PFILW0126CEZZ	J	Polarizer Input Filter, R	BE
18	PFILW0129CEZZ	J	Polarizer Output Filter, R	BF
19	PFILW0130CEZZ	J	Polarizer Output Filter, G	BF
20	PFILW0131CEZZ	J	Polarizer Output Filter, B	BF
21	PFILW0128CEZZ	J	Polarizer Input Filter, B	BG
22	QCNW-3852CEZZ	J	R-FCC	AQ
23	QCNW-3852CEZZ	J	G-FCC	AQ
24	QCNW-3852CEZZ	J	B-FCC	AQ
25	RLCDP0022CEZZ	J	LCD Module Unit, R/G	DB
26	RLCDP0023CEZZ	J	LCD Module Unit, B	DB
27	XHPSF30P14WS0	J	Screw, x12	AA
28	XBPSD40P12JS0	J	Screw, x2	AA
29	*Not Used*			
30	*Not Used*			
31	XEBSN30P10000	J	Screw, x3	AA
32	LX-TZ3060CESE	J	Screw, x6	AD
33	*Not Used*			
34	*Not Used*			
35	*Not Available*	–	Main Unit	—
36	*Not Available*	–	Input Unit	—
37	*Not Available*	–	Control Unit	—
38	*Not Available*	–	Audio Amp./LED Unit	—
39	*Not Available*	–	Ballast Unit	—
⚠40	CACCV2015CE01	J	AC Cord (Not for U.K. Australia and New Zealand)	AS
⚠40	CACCB5013CE02	J	AC Cord (for U.K. only)	AY
⚠40	QACCL3017CESA	J	AC Cord (for Australia and New Zealand only)	AR
41	*Not Available*	–	Power Unit	—
42	XEPSD40P12000	J	Screw, x4	AA
43	XTASD40P12000	J	Screw, x1 Ballast Unit	AA
44	*Not Available*	–	PC I/F Unit	—
45	XEPSD40P10000	J	Screw, x2	AA
46	XHPSD30P08WS0	J	Screw, x3	AA
47	XTBSD40P30000	J	Screw, x4	AA
48	XBPSD40P08JS0	J	Screw, x6	AA
49	XTASF40P16000	J	Screw, x2	AA
50	HINDP4752CEZZ	J	Label, Serial Number (XG-3910E)	AD
50	HINDP4777CEZZ	J	Label, Serial Number (XG-3910EA)	AD
51	XEBSD40P18000	J	Screw, x3 Lens	AB
52	XTTSD40P16000	J	Screw, x2	AA
53	PCOVZ1056CEZZ	J	Lens Cover	AM
54	*Not Used*			

CABINET AND MECHANICAL PARTS
MODELS XG-3910E/E[A] (Continued)

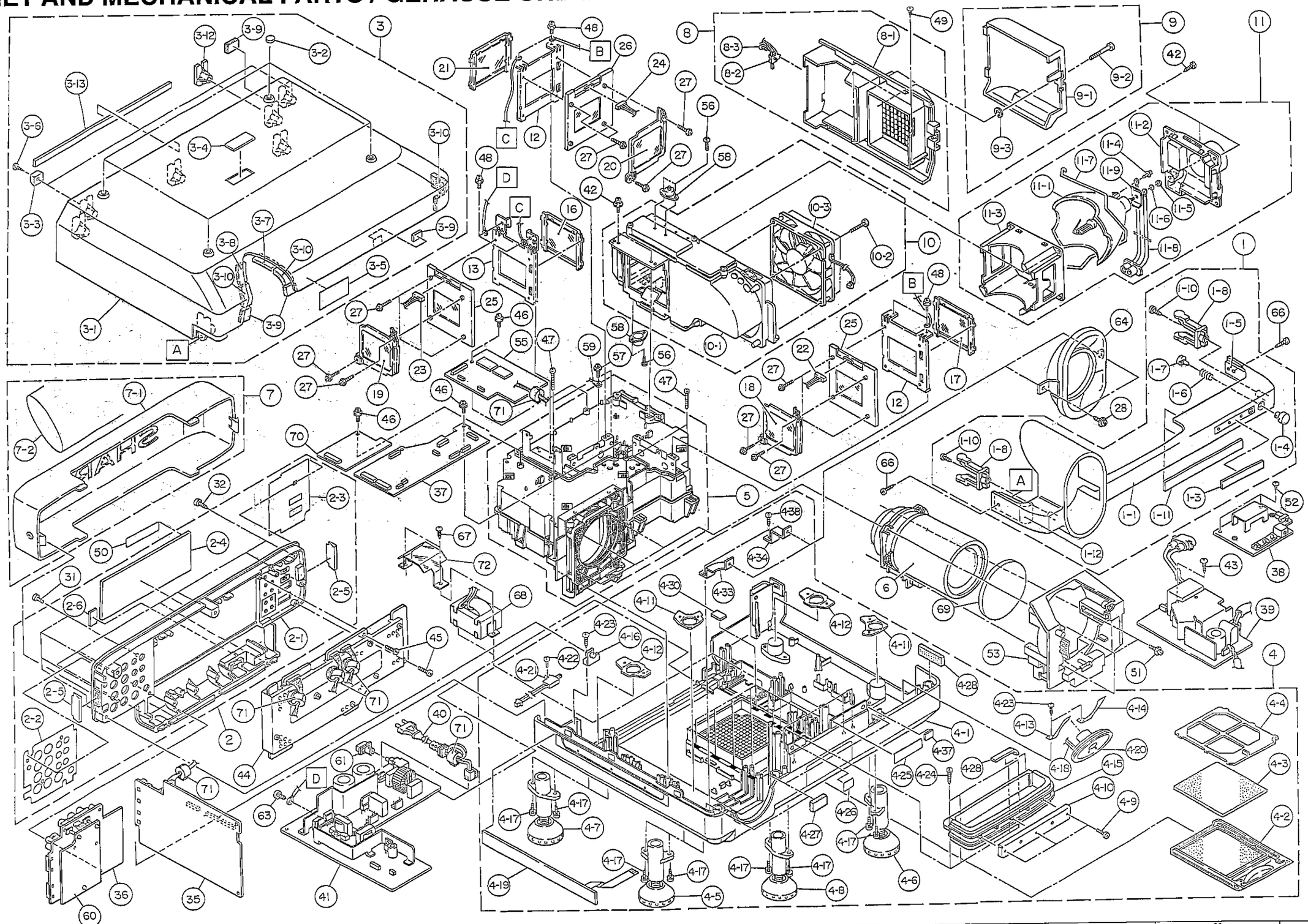
Ref. No.	Part No.	★	Description	Code
55	*Not Available*	–	VGA Amp. Unit	—
56	XEBSD30P06000	J	Screw, for Bimetal, x3	AA
57	XEPSD30P08000	J	Screw, for Thermistor, x1	AA
⚠58	CBiM-0001DE10	J	Bimetal	AX
59	RH-HZ0024CEZZ	J	Thermistor	AP
60	*Not Available*	–	Y/C Separator Unit	—
61	JKNBP1065CESB	J	Button, Power	AC
62	*Not Used*			
63	XBPSD30P08KS0	J	Screw, x1	AA
64	CCOVA9142CE01	J	Lens Shift Cover Ass'y	AY
65	*Not Used*			
66	LX-TZ3060CESF	J	Screw, x2	AB
67	XTASD40P12000	J	Screw, x2	AA
68	RTRNC0060CEZZ	J	Choke Trans.	BD
69	PCAPH1042CESA	J	Lens Cap	AF
70	*Not Available*	–	Scan Converter Unit	—
71	RCORF0054CEZZ	J	Ferrite Core, x6	AM
72	PZETK0020CEZZ	J	Barrier	AF
80	PZETV0649CEZZ	J	Barrier	AF
81	PZETK0017CEZZ	J	Barrier	AE
82	XEBSD30P06000	J	Screw, x4	AA

LAMP DUCT ASS'Y/LAMP ENKANAL EINHEIT 灯室管线零件分解图 (XG-3910E/E[A])



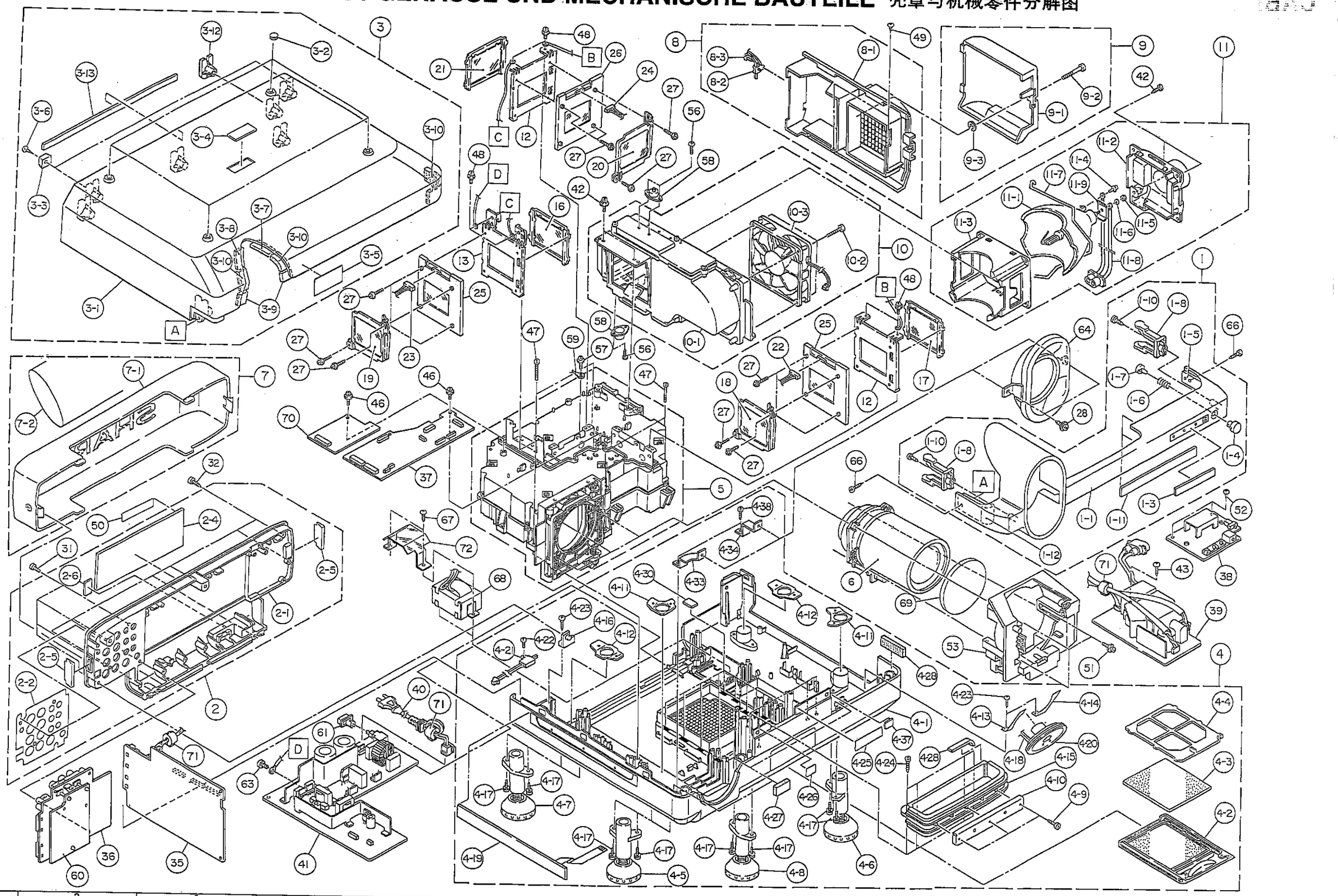
XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODELS XG-3910E/EA
CABINET AND MECHANICAL PARTS / GEHÄUSE UND MECHANISCHE BAUTEILE 壳罩与机械零件分解图



XG-3910E	XG-3910E
XV-3410S	XV-3410S

MODEL XV-3410S
CABINET AND MECHANICAL PARTS / GEHÄUSE UND MECHANISCHE BAUTEILE 壳罩与机械零件分解图



CABINET AND MECHANICAL PARTS
MODEL XV-3410S

Ref. No.	Part No.	★	Description	Code
1	CBDYF1062CEK4	J	Front Body Ass'y	AZ
1-1	*Not Available*	–	Front Body	—
1-2	*Not Used*			
1-3	HiNDP4439CESA	J	Indication Plate, LED	AF
1-4	JBTN-1839CESD	J	Button, Power	AE
1-5	LHLDZ1816CEKD	J	Rib	AD
1-6	MSPRC0146CEFW	J	Spring, Power Button	AC
1-7	PGIDM0017CE00	J	Guide, Button	AB
1-8	LHLDZ1827CEKZ	J	Holder, x2	AD
1-9	*Not Used*			
1-10	XEPSD40P12000	J	Screw, x2	AA
1-11	PSPAZ0149CEZZ	J	Spacer, x2	AB
1-12	LHLDZ1850CEKD	J	Rib	AD
2	CBDYR1046CEK2	J	Rear Body Ass'y	BM
2-1	*Not Available*	–	Rear Body	—
2-2	HiNDP4679CESC	J	Indication Plate, Jack	AG
2-3	*Not Used*			
2-4	HiNDP4732CESA	J	Indication Plate, Model	AH
2-5	PCOVZ1020CEKA	J	Cover	AD
2-6	HiNDP4368CESB	J	Indication Plate, Power Sw.	AC
3	CBDYT1043CEK3	J	Top Body Ass'y	BL
3-1	*Nct Available*	–	Top Body	—
3-2	GLEGG9053CESA	J	Leg, Top x4	AC
3-3	GLEGG9052CESA	J	Leg, Rear x2	AC
3-4	HBDGB3107CESA	J	Badge, "SHARP"	AL
3-5	HiNDP4637CESC	J	Indication Plate, Caution	AD
3-6	LX-TZ3060CESG	J	Screw, x2	AB
3-7	LHLDZ1834CEZZ	J	Rib	AD
3-8	LHLDZ1845CEZZ	J	Rib	AD
3-9	PMLT-0149CE00	J	Spacer, x2	AB
3-10	PMLT-0158CEZZ	J	Spacer, x3	AB
3-11	*Not Used*			
3-12	LHLDZ1767CEKZ	J	Boss, x7	AD
3-13	PMLT-0200CEZZ	J	Spacer	AE
4	CBDYU1058CEK4	J	Bottom Body Ass'y	BV
4-1	*Not Available*	–	Bottom Body	—
4-2	CCOVA1477CE06	J	Fan Cover Ass'y	AS
4-3	PFILD0027CEZZ	J	Filter	AF
4-4	PFILD0024CEZZ	J	Filter Cover	AF
4-5	GLEGP9083CESA	J	Leg, Left-Front	AM
4-6	GLEGP9084CESA	J	Leg, Right-Front	AM
4-7	GLEGP9085CESA	J	Leg, Left-Rear	AM
4-8	GLEGP9086CESA	J	Leg, Right-Rear	AM
4-9	XEPSD40P10000	J	Screw, x3	AA
4-10	LANGF9453CEFW	J	Angle, Handle	AE
4-11	LANGK0471CEFW	J	Leg Angle-A, x2	AD
4-12	LANGK0472CEFW	J	Leg Angle-B, x2	AD
4-13	LANGS0097CEFW	J	Angle, Speaker Holder-A	AD
4-14	LANGS0098CEFW	J	Angle, Speaker Holder-B	AD
4-15	LHLDL1002CEKA	J	Holder, Handle	AG
4-16	LHLDZ1777CEKZ	J	Holder	AE
4-17	LX-BZ3292CEFF	J	Screw, x8	AA
4-18	QCNW-4340CEZZ	J	Connecting Wire, (SP)	AC
4-19	QSW-Z0039CEZZ	J	Membrence Switch	BA
4-20	VSP0080P-H4WA	J	Speaker	AM
4-21	QCNW-3907CEZZ	J	Connecting Wire, Leaf Sw.	AK
4-22	XEBSD26P08000	J	Screw, x1	AA
4-23	XTASF40P16000	J	Screw, x3	AA
4-24	XTBSD40P30000	J	Screw, x4	AA
4-25	PSPAZ0146CEZZ	J	Spacer	AC
4-26	PSPAZ0147CEZZ	J	Spacer	AC
4-27	PMLT-0149CE00	J	Spacer, x2	AB
4-28	PMLT-0158CEZZ	J	Spacer	AB
4-29	*Not Used*			
4-30	PCOVU1015CE00	J	Light Shielding Cover, x11	AA
4-31	*Not Used*			
4-32	*Not Used*			
4-33	LANGK0487CEFW	J	Angle, Shift Cover	AD
4-34	LANGK0488CEFW	J	Angle, Shift Cover	AD
4-35	*Not Used*			
4-36	*Not Used*			
4-37	PSPAZ0148CEZZ	J	Spacer	AC
4-38	XTTSD40P12000	J	Screw, x2	AA
5	CCHSK0039CE01	J	Optics Mech. Ass'y	CP
5-1	LCHSK0040CEKZ	J	Unit Cover	BE
5-2	LCHSK0039CEKZ	J	Unit Base	BF
5-3	CANGT2073CE01	J	Angle, R/B	AX
5-4	LANGT2074CEFW	J	Angle, G	AM
5-5	CCHSK0029CE02	J	Lens Shift Unit	BG
5-6	PMIR-0151CEZZ	J	Mirror-1, R-Reflector	BC
5-7	PMIR-0108CEZZ	J	Mirror-2, B-Reflector	BB
5-8	PMIR-0109CEZZ	J	Mirror-3, Total Reflector	AN
5-9	PMIR-0137CEZZ	J	Mirror-4, Total Reflector	AM
5-10	PMIR-0111CEZZ	J	Mirror-5, B-Reflector	BC
5-11	PMIR-0112CEZZ	J	Mirror-6, R/B-Reflector	BE
5-12	PFILW0118CEZZ	J	UV/IR Cut-off Filter	BB
5-13	LHLDZ1971CEKZ	J	Field Lens Frame, x3	AH
5-14	PLNS-0069CEZZ	J	Field Lens, x3	BC
5-15	NFANR0060CE00	J	Fan	BA
5-16	XEPSD40P35000	J	Screw M4X35, x4	AB
5-17	LANGF9501CEFW	J	Reinforcing Plate	AK
5-18	PSPAF0018CEFD	J	Fan Spacer, x4	AC
5-19	PZETV0646CEZZ	J	Shield Plate	AE
5-20	LHLDW1001CEZZ	J	Wire Holder, WH1001, x3	AC
5-21	LHLDW1019CEZZ	J	Wire Holder, WH1019, x1	AA
5-22	MSPRP1158CEFW	J	Leaf Spring, x17	AC
5-23	*Not Used*			
5-24	XBPSD40P08JS0	J	Screw M4X8, with Flat/Special Washer x6	AA
5-25	LX-HZ3095CEFD	J	Screw M4X16, P-Tight with Flat Washer, x10	AC
5-26	XBTSD40P12000	J	Screw M4X16, x11	AA
5-27	LX-WZ3184CEFD	J	Washer, x15	AB
5-28	LHLDZ1969CEKZ	J	Holder-Top	AQ
5-29	LHLDZ1970CEKZ	J	Holder-Bottom	AQ

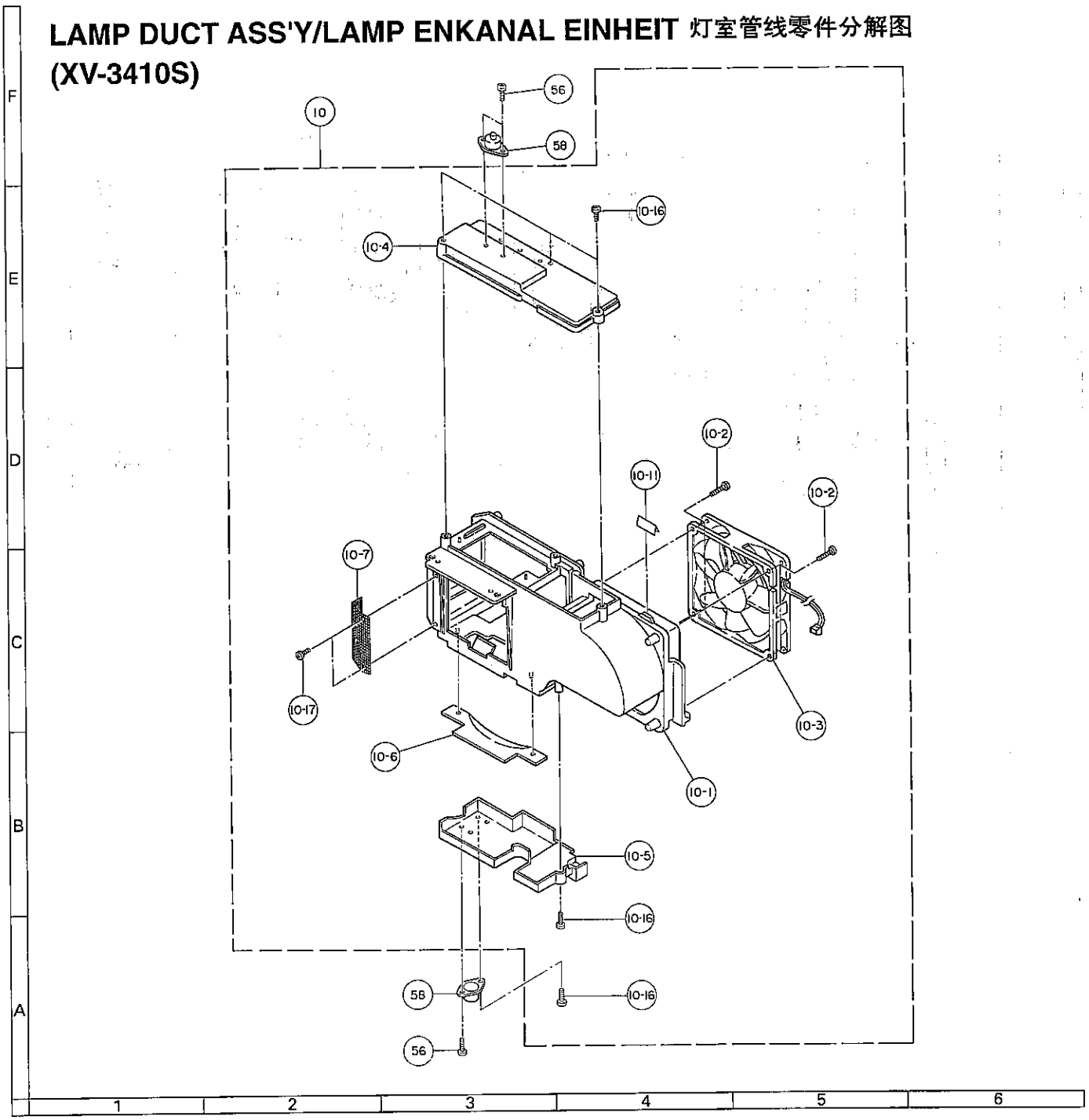
CABINET AND MECHANICAL PARTS
MODEL XV-3410S (Continued)

Ref. No.	Part No.	★	Description	Code
5-30	LHLDW1093GEZZ	J	Wire Holder, WH1093, x1	AB
5-31	LX-BZ3351CEFF	J	Screw M4X8 with Special/Flat Washer, x11	AA
5-32	XHPSD30P06WS0	J	Screw M3X6, x2	AA
5-33	XEBSF30P12000	J	Screw M3X12 P-Tight, x2	AA
5-34	LX-WZ1027CEZZ	J	Washer PET, x10	AB
5-35	GNETC0153CEZZ	J	Dust Proof Net	AN
5-36	XEPSF40P12000	J	Screw, x2	AA
5-37	MSPRP1170CEFW	J	Leaf Spring, x1	AF
6	PLNS-0088CESA	J	Projection Lens	CM
7	CCOVA1480CE06	J	Terminal Cover Ass'y	AS
7-1	*Not Available*	–	Terminal Cover	—
7-2	*Not Available*	–	Polystyrene Sack	—
8	CCOVA1604CEK1	J	Side Fan Cover Ass'y	BB
8-1	*Not Available*	–	Side Fan Cover	—
8-2	QCNW-3906CEZZ	J	Leaf Switch	AK
8-3	XEBSD26P08000	J	Screw, x1	AA
9	CCOVA1603CEK1	J	Lamp Cover Ass'y	AV
9-1	*Not Available*	–	Lamp Cover	—
9-2	LX-UZ3021CESA	J	Screw, x1	AC
9-3	XRESJ30-06000	J	E-Ring, x1	AA
10	CCOVZ1041CEK3	J	Lamp Duct Ass'y	BL
10-1	*Not Available*	–	Lamp Duct Base	—
10-2	XEBSF40P16000	J	Screw, x4	AA
10-3	NFANR0017CE00	J	Fan	BC
10-4	PCOVZ1061CEKZ	J	Duct Cover, Top	AN
10-5	PCOVZ1068CEKZ	J	Duct Cover, Bottom	AK
10-6	PMiR-0128CEFW	J	Mirror (R68DMI)	AQ
10-7	HPNC-0395CEFW	J	Punching	AF
10-8	*Not Used*			
10-9	*Not Used*			
10-10	*Not Used*			
10-11	PSPAT0010CEZZ	J	Teflon Tape	AA
10-12	*Not Used*			
10-13	*Not Used*			
10-14	*Not Used*			
10-15	*Not Used*			
10-16	XEPSF30P10000	J	Screw, x5	AA
10-17	XEPSN30P05000	J	Screw, x2	AB
⚠11	BQC-XV3400S/2	J	Lamp Unit (Lamp/Cage Module)	CG
⚠11-1	CLMPF0034DE07	J	Lamp/Mirror Ass'y	CC
11-2	CHLDZ1987CEK3	J	Lamp Case Ass'y, Top	AS
11-3	LHLDZ1933CEKZ	J	Lamp Case, Lower	AS
11-4	LX-BZ3270CEFN	J	Screw, x1	AA
11-5	LX-NZ3108CEFN	J	Nut	AA
11-6	LX-WZ3102CEFN	J	Washer	AA
11-7	MSPRB0022CEFW	J	Spring	AD
11-8	QPLGN0156FJZZ	J	Plug	AN
11-9	PRDAR1499CEFW	J	Heat Sink	AC
12	LANGT2082CEFW	J	Angle, LCD R/B	AK
13	LANGT2083CEFW	J	Angle, LCD G	AK
14	*Not Used*			
15	*Not Used*			
16	PFiLW0127CEZZ	J	Polarizer Input Filter, G	BD
17	PFiLW0126CEZZ	J	Polarizer Input Filter, R	BE
18	PFiLW0129CEZZ	J	Polarizer Output Filter, R	BF
19	PFiLW0130CEZZ	J	Polarizer Output Filter, G	BF
20	PFiLW0131CEZZ	J	Polarizer Output Filter, B	BF
21	PFiLW0128CEZZ	J	Polarizer Input Filter, B	BG
22	QCNW-3852CEZZ	J	R-FCC	AQ
23	QCNW-3852CEZZ	J	G-FCC	AQ
24	QCNW-3852CEZZ	J	B-FCC	AQ
25	RLCDP0022CEZZ	J	LCD Module Unit, R/G	DB
26	RLCDP0023CEZZ	J	LCD Module Unit, B	DB
27	XHPSF30P14WS0	J	Screw, x12	AA
28	XBPSD40P12JS0	J	Screw, x2	AA
29	*Not Used*			
30	*Not Used*			
31	XEBSN30P10000	J	Screw, x3	AA
32	LX-TZ3060CESG	J	Screw, x6	AB
33	*Not Used*			
34	*Not Used*			
35	*Not Available*	–	Main Unit	—
36	*Not Available*	–	Input Unit	—
37	*Not Available*	–	Control Unit	—
38	*Not Available*	–	Audio Amp./LED Unit	—
39	*Not Available*	–	Ballast Unit	—
⚠40	CACCV2015CE01	J	AC Cord (Not for U.K. Australia and New Zealand)	AS
⚠40	CACCB5013CE02	J	AC Cord (for U.K. only)	AY
⚠40	QACCL3017CESA	J	AC Cord (for Australia and New Zealand only)	AR
41	*Not Available*	–	Power Unit	—
42	XEPSD40P12000	J	Screw, x4	AA
43	XTASD40P12000	J	Screw, x1 Ballast Unit	AA
44	*Not Used*			
45	*Not Used*			
46	XHPSD30P08WS0	J	Screw, x2	AA
47	XTBSD40P30000	J	Screw, x4	AA
48	XBPSD40P08JS0	J	Screw, x6	AA
49	XTASF40P16000	J	Screw, x2	AA
50	HiNDP4754CEZZ	J	Label, Serial Number	AC
51	XEBSD40P18000	J	Screw, x3 Lens	AB
52	XTTSD40P16000	J	Screw, x2	AA
53	PCOVZ1056CEZZ	J	Lens Cover	AM
54	*Not Used*			
55	*Not Used*			
56	XEBSD30P06000	J	Screw, for Bimetal, x3	AA

CABINET AND MECHANICAL PARTS
MODEL XV-3410S (Continued)

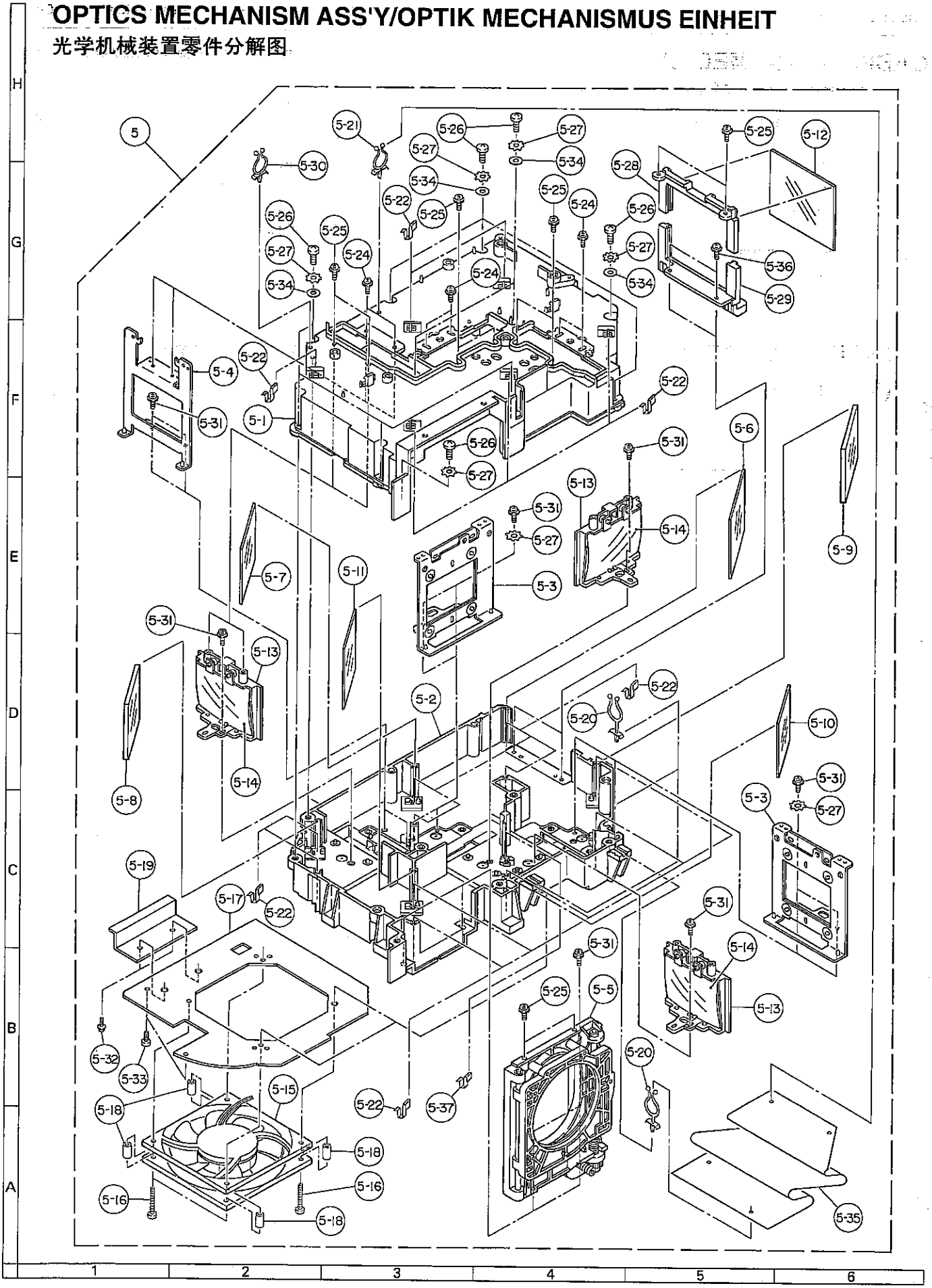
Ref. No.	Part No.	★	Description	Code
57	XEPSD30P08000	J	Screw, for Thermistor, x1	AA
⚠58	CBiM-0001DE10	J	Bimetal	AX
59	RH-HZ0024CEZZ	J	Thermistor	AP
60	*Not Available*	–	Y/C Separator Unit	—
61	JKNBP1065CESB	J	Button, Power	AC
62	*Not Used*			
63	XBPSD30P08KS0	J	Screw	AA
64	CCOVA9142CE01	J	Lens Shift Cover Ass'y	AY
65	*Not Used*			
66	LX-TZ3060CESF	J	Screw, x2	AB
67	XTASD40P12000	J	Screw, x2	AA
68	RTRNC0056CEZZ	J	Choke Trans.	BC
69	PCAPH1042CESA	J	Lens Cap	AF
70	*Not Available*	–	Scan Converter Unit	—
71	RCORF0054CEZZ	J	Ferrite Core, x3	AM
72	PZETK0200CEZZ	J	Barrier	AF

LAMP DUCT ASS'Y/LAMP ENKANAL EINHEIT 灯室管线零件分解图 (XV-3410S)



OPTICS MECHANISM ASS'Y/OPTIK MECHANISMUS EINHEIT

光学机械装置零件分解图



Ref. No.	Part No.	★	Description	Code

SUPPLIED ACCESSORIES

MODEL XG-3910E

ACCESSORIES

CCOVA1533CE02	J	Cord Wrap Pegs	AM
GCOVA1531CEZZ	J	High-Mount Dust Cover	AT
HiNDP4652CESB	J	Inverting Label	AE
PNNOK0003TAZZ	J	Lens Cleaning Cloth	AG
PFiLD0030CEZZ	J	Extra Air Filter	AG
QCNW-4422CEZZ	J	VGA Cable	BH
QPLGJ1509CEZZ	J	MAC/VGA Adaptor	AX
QPLGJ0107GEZZ	J	RCA/BNC Adaptor, x2	AR
RRMCG1292CESA	J	Infrared R/C Unit	BE
TiNS-5991CEZZ	J	Operation Manual	BB

ACCESSORIES (*Not Replacement Item*)

TCADN3044CEZZ	–	Register Card	—
TCAUH1133CEZZ	–	Caution Card	—
TGAN-1417CEZZ	–	Guarantee Card	—
UBATU0025GEZZ	–	Dry Batteries	—

MODEL XG-3910EA

ACCESSORIES

CCOVA1533CE02	J	Cord Wrap Pegs	AM
GCOVA1531CEZZ	J	High-Mount Dust Cover	AT
HiNDP4652CESB	J	Inverting Label	AE
PNNOK0003TAZZ	J	Lens Cleaning Cloth	AG
PFiLD0030CEZZ	J	Extra Air Filter	AG
QCNW-4422CEZZ	J	VGA Cable	BH
QPLGA0010GEZZ	J	AC Plug Adaptor	AF
QPLGJ1509CEZZ	J	MAC/VGA Adaptor	AX
QPLGJ0107GEZZ	J	RCA/BNC Adaptor, x2	AR
RRMCG1292CESA	J	Infrared R/C Unit	BE
TiNS-6023CEZZ	J	Operation Manual	AU

ACCESSORIES (*Not Replacement Item*)

TCADS3003CEZZ	–	Register Card	—
TCAUZ3011CEZZ	–	Caution Card	—
UBATU0025GEZZ	–	Dry Batteries	—

MODEL XV-3410S

ACCESSORIES

CCOVA1533CE01	J	Cord Wrap Pegs	AH
GCOVA1531CEZZ	J	High-Mount Dust Cover	AT
HiNDP4368CESA	J	Inverting Label, AC Sw.	AB
HiNDP4651CESA	J	Inverting Label	AE
PNNOK0003TAZZ	J	Lens Cleaning Cloth	AG
PFiLD0030CEZZ	J	Extra Air Filter	AG
QPLGJ0107GEZZ	J	RCA/BNC Adaptor, x2	AR
RRMCG1310CESA	J	Infrared R/C Unit	BA
TiNS-5993CEZZ	J	Operation Manual	BB

ACCESSORIES (*Not Replacement Item*)

TCADE1137CEZZ	–	Register Card	—
TCAUZ3011CEZZ	–	Caution Card	—
UBATU0026GEZZ	–	Dry Batteries	—

Ref. No.	Part No.	★	Description	Code

PACKING PARTS
(NOT REPLACEMENT ITEM)

MODEL XG-3910E

SPAKC4994CEZZ	–	Packing Case	—
SPAKP0692CEZZ	–	Polystyrene Mat	—
SPAKX2708CEZZ	–	Buffer Material	—

MODEL XG-3910EA

SPAKC5029CEZZ	–	Packing Case	—
SPAKP0692CEZZ	–	Polystyrene Mat	—
SPAKX2708CEZZ	–	Buffer Material	—

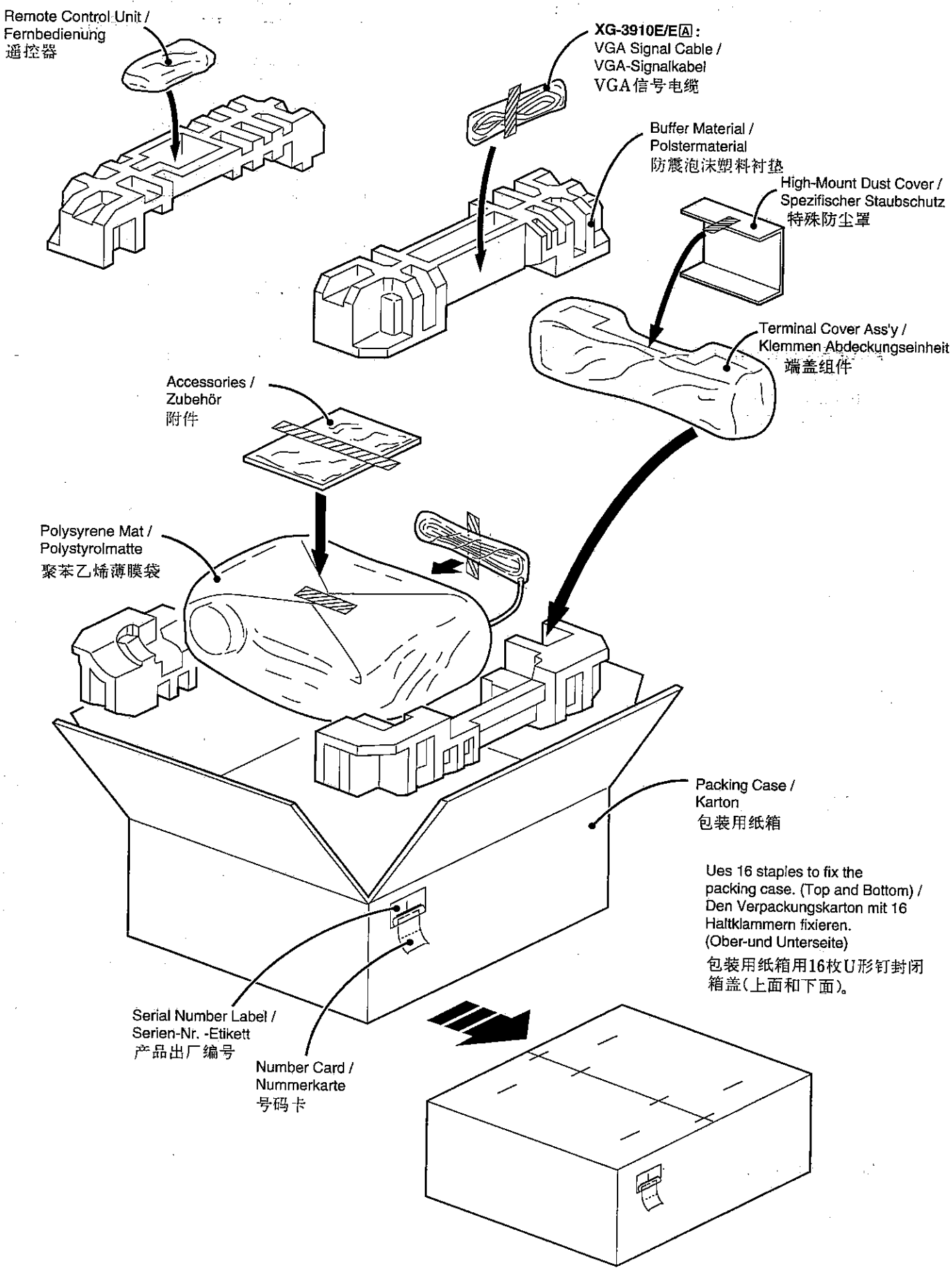
MODEL XV-3410S

SPAKC4992CEZZ	–	Packing Case	—
SPAKP0692CEZZ	–	Polystyrene Mat	—
SPAKX2708CEZZ	–	Buffer Material	—

SERVICE PARTS

QCNW-3936CEZZ	J	Extension Cable 22-pin (CA)-(CA) (XG-3910E)	BB
QCNW-3937CEZZ	J	Extension Cable 5-pin (TD)-(TD)	AS
QCNW-3938CEZZ	J	Extension Cable 10-pin (TC)-(TC)	AX
QCNW-3939CEZZ	J	Extension Cable 12-pin (TA)-(TA)	AY
QCNW-3940CEZZ	J	Extension Cable 10-pin (TB)-(TB)	AW
QCNW-4277CEZZ	J	Extension Cable 26-pin (MA)-(MA)	BE
QCNW-4278CEZZ	J	Extension Cable 30-pin (MB)-(MB)	BG
QSW-Z0039CEZZ	J	Membrane Switch	BA
9EQ-HENSDCE01	J	Off-set Driver (Focus Adjustment Jig)	BV

PACKING OF THE SET / VERPACKEN DES GERÄTS
包装方法



Memo

XV-3410S

SHARP

TQ0157-S
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W/S MW. KG